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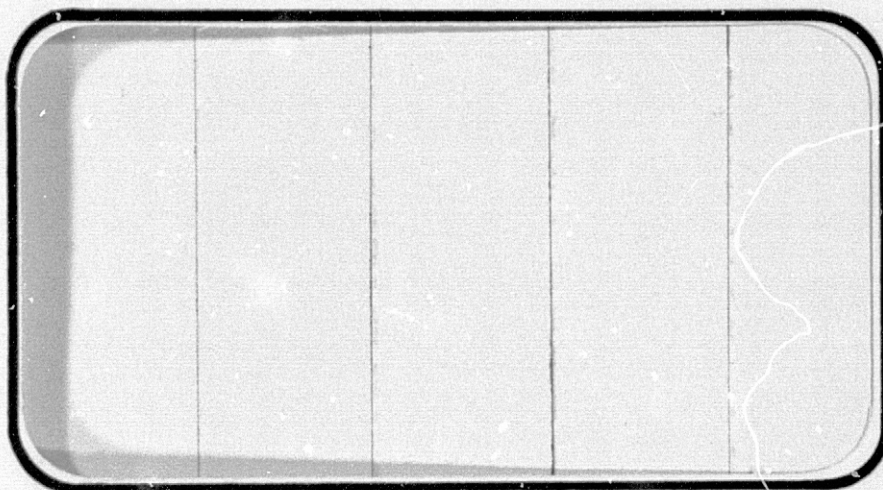
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(NASA-CR-134431) SUBSONIC AND TRANSONIC
HINGE MOMENT AND WING BENDING/TORSION
CHARACTERISTICS OF .015 SCALE SPACE
SHUTTLE MODELS 49-0 AND 67-TS IN THE
(Chrysler Corp.) 732 p HC \$17.25

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
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VOLUME 1 OF 3

SUBSONIC AND TRANSONIC HINGE MOMENT AND
WING BENDING/TORSION CHARACTERISTICS OF .015
SCALE SPACE SHUTTLE MODELS 49-0 AND 67-TS IN THE
ROCKWELL INTERNATIONAL TRANSONIC WIND TUNNEL (IA70)

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Prepared under NASA Contract Number NAS9-13247

By

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National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: Rockwell Trisonic - 282
NASA Series Number: IA70
Model Numbers: 49-0, 67-TS
Test Dates: 3 through 24 May 1974
Occupancy Hours: 161

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SUBSONIC AND TRANSONIC HINGE MOMENT AND
WING BENDING/TORSION CHARACTERISTICS OF .015
SCALE SPACE SHUTTLE MODELS 49-0 AND 67-TS IN THE
ROCKWELL INTERNATIONAL TRISONIC WIND TUNNEL (IA70)

By

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ABSTRACT

Experimental aerodynamic investigations were conducted on an 0.015-scale representation of the VL70-000140A/B Integrated Space Shuttle Launch Vehicle in the Rockwell International Trisonic Wind Tunnel from 3 May 1974 to 24 May 1974. The primary test objective was to obtain subsonic and transonic elevon and bodyflap hinge moments and wing bending-torsion moments in the presence of the launch vehicle. Wing pressures (42) were also recorded for the upper and lower right wing surfaces at two spanwise stations ($\eta = 0.436$ and 0.771).

The hinge moment, wing bending/torsion moments and wing pressure data were recorded over an angle-of-attack (α) range from -8° to $+8^\circ$, an angle-of-sideslip (β) range from -8° to $+8^\circ$ and at Mach numbers of 0.90, 1.12, 1.24 and 1.50. The Reynolds number for all Mach numbers was approximately $7.0 \times 10^6/\text{foot}$.

Outboard elevon deflections of 0° , $\pm 4^\circ$ and $\pm 8^\circ$; inboard elevon deflections of 0° , $+4^\circ$, $+8^\circ$ and $+12^\circ$; and bodyflap deflections of 0° and

+10° were tested over the entire Mach number range.

Tests were also conducted to determine the effects of the Orbiter rear attach cross beam and the forward attach wedge and strut diameter. The Orbiter alone was tested at 0.90 and 1.24 Mach number only.

For both the Orbiter alone and integrated configurations the models were sting mounted on a dummy 1.5-inch Task MK XXVII balance pinned in the Orbiter.

This report consists of three volumes arranged in the following manner:

- Volume 1 - Plotted and tabulated force data
 - Plotted pressure data - Figures 25 and 26
- Volume 2 - Plotted pressure data - Figures 27 through 32
- Volume 3 - Tabulated pressure data

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SCHEDULE OF COEFFICIENTS PLOTTED:

- (A) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
- (B) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
CHEO, CHEI versus ELV-LI
- (C) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
CHEO, CHEI versus ELV-LO
- (D) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
CHBF versus BFLAP
- (E) CP, DCP versus X/C

NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/l ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

Ab		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XM RP	moment reference point on X axis
	YM RP	moment reference point on Y axis
	ZM RP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

D

NOMENCLATURE (Continued)
Additions to Standard Listing

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
a_m		distance from m_1 to m_2 gage, in
B_W		wing panel bending moment, in-lbs
C_{BF}		bodyflap reference chord, in
C_e		elevon reference chord, in
C_{B_W}	CBW	wing bending moment coefficient
$C_{h_{eI}}$	CHEI	inboard elevon hinge moment coefficient
$C_{h_{eO}}$	CHEO	outboard elevon hinge moment coefficient
$C_{h_{eT}}$	CHET	total elevon hinge moment coefficient
$C_{h_{BF}}$	CHBF	bodyflap hinge moment coefficient
C_{T_W}	CTW	wing torsion moment coefficient
C_p	CP	local pressure coefficient
$C_{p_{LE}}$	CPLE	wing leading edge pressure coefficient
$C_{p_{WL}}$	CPWL	wing lower surface pressure coefficient
$C_{p_{WU}}$	CPWU	wing upper surface pressure coefficient
C_{p_T}	DCP	total (differential) wing pressure coefficient, (upper - lower)
d		distance from m_2 to exposed wing root chord, in

NOMENCLATURE (Continued)
Additions to Standard Listing

e_m		distance from m_3 to torsion reference center, in
H_{BF}		bodyflap hinge moment, in-lb
H_{e_I}		inboard elevon hinge moment, in-lb
H_{e_O}		outboard elevon hinge moment, in-lb
m_i		wing bending gage moment at station i , in-lb
N_W		wing panel normal force, lbs
$P_{W_{LE}}$		wing leading edge pressure, psi
P_{W_L}		wing lower surface pressure, psi
P_{W_U}		wing upper surface pressure, psi
S_{BF}		bodyflap reference area, ft^2
S_e		elevon reference area, ft^2
T_W		wing panel torsion moment, in-lb
x/c	X/C	chord wise location, fraction of local chord
$2Y/b, \eta$	2Y/B	spanwise location, fraction of wing span
$\delta_{e_{OL}}, \delta_{e1}$	ELV-1 ELV-LO	lefthand outboard elevon deflection angle, deg
$\delta_{e_{IL}}, \delta_{e2}$	ELV-2 ELV-LI	lefthand inboard elevon deflection angle, deg
$\delta_{e_{IR}}, \delta_{e3}$	ELV-3 ELV-RI	right-hand inboard elevon deflection angle, deg

①

NOMENCLATURE (Concluded)
Additions to Standard Listing

$\delta_{eOR}, \delta_{e4}$	ELV-4 ELV-R0	right hand outboard elevon deflection angle, deg
δ_{eI}	DEI	inboard elevon deflection angle, average of left and right inboard panels, deg
δ_{eO}	DEO	outboard elevon deflection angle, average of left and right outboard panels, deg
δ_{BF}	BFLAP	body flap deflection angle, deg

CONFIGURATIONS INVESTIGATED

The model used for this test period was an 0.015-scale representation of the Rockwell International VL70-000140A/B Space Shuttle Orbiter and Integrated Launch Vehicle. The Orbiter model was of the blended wing-body design with double delta wing planform ($75^\circ/45^\circ \Lambda_{LE}$), full span split elevons with unswept hingeline, centerline vertical tail with rudder/speed-brake capability, fuselage canopy and orbital maneuvering system (OMS pods) mounted on the aft fuselage sidewalls. The elevon panels were segmented into inboard and outboard panels at $Y_0 = 312.50$. Each panel was capable of independent deflection. Both of the left hand elevon panels and the body-flap were instrumented with hinge moment beams. The right hand wing panel was instrumented with two wing bending gages and a wing torsion gage.

The right hand wing panel was also instrumented with 42 upper and lower wing surface pressures at two spanwise locations. The inboard station was at $Y_0 = 204$ ($n = 0.436$) and had 25 pressures while the outboard was at 361 ($n = 0.771$) and had 17 pressures.

The external tank (ET), solid rocket boosters (SRB), attach hardware, ventlines and simulated fairings were constructed of aluminum and 17-4 steel. No pressures or forces were recorded on these components.

The forward attach fairing or wedge was removable as was the rear attach crossbeam. The forward wedge covered a 33.3-inch diameter strut which attached the Orbiter to the ET. A later strut configuration which was tested was only 11.3 inches in diameter.

CONFIGURATIONS INVESTIGATED (Continued)

The following letter/number designations were used to describe the Orbiter and integrated launch vehicle configurations:

<u>Symbol</u>	<u>Definition</u>
O ₁	Orbiter, B ₂₆ C ₉ M ₇ F ₇ W ₁₁₆ E ₃₇ V ₈ R ₅
T ₁₂	External tank (ET)
S ₁	Solid Rocket boosters (SRB), S ₁₂ N ₄₁
P ₂	SRB fairings, PS ₁ , PS ₂ and PS ₃
P ₈	ET Components and Fairings - PT ₁ , PT ₂ , PT ₃ , AT ₉ , AT ₁₂ , AT ₁₃ , AT ₁₄ , AT ₂₇ , FL ₁ , FL ₂ , and FR ₆
P ₉	Same as P ₈ except the rear attach crossbeam (FR ₆) is removed
P ₁₀	Same as P ₈ except the forward attach wedge (AT ₂₇) fairing is removed exposing the attach strut (AT ₁₅) and FR ₆ is installed
P ₁₁	Same as P ₉ except the diameter of the forward attach strut (AT ₁₅) is reduced to 0.170 inches (model scale)

The following letter/number designations describe the individual configuration components:

<u>Symbol</u>	<u>Definition</u>
AT ₉	Attach structure-rear SRB/ET per Rockwell Lines VL72-000106, Model dwg. SS-A01168
AT ₁₂	Attach structure-left rear ORB/ET per Rockwell Lines VL78-000050, Model dwg. SS-A01167
AT ₁₃	Attach structure-right rear ORB/ET per Rockwell Lines VL78-000050, Model dwg. SS-A01167
AT ₁₄	Attach structure-front SRB/ET per Rockwell Lines VL77-000051A, Model dwg. SS-A01168

CONFIGURATIONS INVESTIGATED (Continued)

AT ₁₅	Attach structure-front ORB/ET per Model drawing SS-A01166-4, 33.3 inch diameter
AT ₂₇	Attach structure-front ORB/ET per Model dwg. SS-A001255, includes AT ₁₅ plus wedge fairing
B ₂₆	Orbiter fuselage per Rockwell Lines VL70-000140A/B, Model dwg. SS-A00147
C ₉	Orbiter canopy per Rockwell Lines VL70-000140A/B, Model dwg. SS-A00147
E ₃₇	Orbiter full span, unswept hingeline, Grumman gapped elevons per Rockwell Lines VL70-000200, Model dwg. SS-A01256, SS-A00148
F ₇	Orbiter body flap per Rockwell Lines VL70-000200, Model dwg. SS-A01256, SS-A00147
FL ₁	ET/ORB. LOX feedline per Rockwell Lines VL78-000050, Model dwg. SS-A01167
FL ₂	ET/ORB. LH ₂ feedline per Rockwell Lines VL78-000050, Model dwg. SS-A01167
FR ₆	ET/ORB rear attach structure cross member per Rockwell Lines VL78-000062B, Model drawing SS-A01256
M ₇	Orbiter OMS/RCS pods per Rockwell Lines VL70-000145 Model dwg. SS-A00147
N ₂₈	Orbiter OMS engine nozzles per Rockwell Lines VL70-000145, Model dwg. SS-A00147
N ₄₁	SRB engine nozzles per Rockwell Lines VL77-000036A, Model dwg. SS-A01168
PS ₁	SRB electrical tunnel fairing per Rockwell Lines VL77-000036A, Model dwg. SS-A01168
PS ₂	SRB attach ring per Rockwell Lines VL77-000036A, Model dwg. SS-A01168
PS ₃	SRB separation rocket fairing per Rockwell Lines VL77-000036A, Model dwg. SS-A01168

CONFIGURATIONS INVESTIGATED (Concluded)

PT₁ ET₁₂ LOX ventline fairing per Rockwell Lines VL78-000031A,
Model dwg. SS-A01167

PT₂ ET₁₂ LOX feedline per Rockwell Lines VL78-000031A, Model
dwg. SS-A01167

PT₃ ET₁₂ LH₂ feedline per Rockwell Lines VL78-000031A, Model
dwg. SS-A01167

R₅ Orbiter rudder per Rockwell Lines VL70-000146A, Model
dwg. SS-A00115

S₁₂ SRB per Rockwell Lines VL77-000036A, Model dwg. SS-A01167

T₁₂ ET per Rockwell Lines VL78-000041B, Model dwg. SS-A01167

V₈ Orbiter centerline vertical tail per Rockwell Lines VL70-
000146A, Model dwg. SS-A00148

W₁₁₆ Orbiter double delta wing per Rockwell Lines VL70-000200,
Model dwg. SS-A00148

TEST FACILITY DESCRIPTION

The Rockwell International Trisonic Wind Tunnel is an intermittent blow down facility with a 7' x 7' tandem test section capable of testing force, duct, pressure, and flutter models at Mach numbers from 0.1 to 3.5.

Two synchronous motor-driven centrifugal compressors, operating in series, supply dry air at a rate of 40 lb/sec. to eight storage spheres having a total volume of 214,000 cu. feet. The air is dried to a moisture content of .0001 lb. or less of water per lb. of dry air (approx. -35°F dew-point) and stored at a pressure of ten atmospheres. Flow from the air storage spheres is regulated by a servo controlled valve. The eight foot diameter valve opens within two seconds to control and stabilize the settling chamber at a preselected pressure.

Downstream of the settling chamber is a fixed nozzle which provides a transition from the circular cross-section of the settling chamber to the rectangular cross-section of the variable nozzle. Two seven foot wide steel plates, supported between parallel walls by hydraulic jacks, form the floor and ceiling of the flexible nozzle section. Changes in nozzle contours to produce variations in Mach number are accomplished by means of these jacks and require 30 to 40 minutes to complete.

Two test sections, for supersonic, transonic, and subsonic testing are 7 ft. wide by 7 ft. high and are permanently installed in a tandem arrangement. The standard supersonic test section (for testing at Mach numbers greater than 1.3) is in the downstream end of the flexible nozzle. The test section for subsonic and transonic operation is located downstream

TEST FACILITY DESCRIPTION (Concluded)

in the porous wall area. An access door to the test area is located in the variable diffuser.

The variable diffuser downstream of the porous wall area may be adjusted to provide subsonic Mach number control, to generate transonic Mach numbers, and to minimize start time for supersonic testing with models having high tunnel blockage.

An equivalent 5° conical expansion angle is provided in a fixed diffuser which completes the basic tunnel circuit. Downstream of the diffuser is a sound abatement muffler building where the air is exhausted to the atmosphere.

DATA REDUCTION

The elevon panel hinge moments, bodyflap hinge moments and wing bending/torsion moments were measured by individual strain gage beams.

The data reduction procedures are as follows:

- (1) Compute inboard elevon hinge moment coefficient

$$C_{h_{eI}} = \frac{H_{eI}}{q S_e C_e}, \quad \begin{array}{ll} H_{eI} &= \text{inboard hinge moment, in-lbs} \\ q &= \text{tunnel dynamic pressure, psf} \\ S_e &= \text{elevon reference area, ft}^2 \\ C_e &= \text{elevon reference chord, inches} \end{array}$$

- (2) Compute outboard elevon hinge moment coefficient

$$C_{h_{eO}} = \frac{H_{eO}}{q S_e C_e} \quad H_{eO} = \text{outboard hinge moment, in-lb}$$

- (3) Compute total elevon hinge moment coefficient

$$C_{h_{eT}} = C_{h_{eI}} + C_{h_{eO}}$$

- (4) Compute body flap hinge moment coefficient

$$C_{h_{BF}} = \frac{H_{BF}}{q S_{BF} C_{BF}}, \quad \begin{array}{ll} H_{BF} &= \text{body flap hinge moment, in-lb} \\ S_{BF} &= \text{body flap reference area, ft}^2 \\ C_{BF} &= \text{body flap reference chord, inches} \end{array}$$

- (5) Compute the right wing panel bending moment and coefficient

$$N_W = \frac{(m_1 - m_2)}{a_m}, \text{ lbs} \quad \begin{array}{ll} m_1 &= \text{inboard wing bending gage moment, in-lbs} \\ m_2 &= \text{outboard wing bending gage moment, in-lbs} \end{array}$$

DATA REDUCTION (Continued)

$$B_W = m_2 + N_W (d), \text{ in-lbs} \quad S_W = \text{wing reference area, ft}^2$$

$$C_{B_W} = \frac{B_W}{q S_W B_{REF}} \quad B_{REF} = \text{wing span, inches}$$

$$a_m = \text{distance from } m_1 \text{ to } m_2 \text{ gage, inches}$$

$$d = \text{distance from } m_2 \text{ to exposed wing root chord, inches}$$

- (6) Compute the right wing panel torsion moment and coefficient

$$T_W = m_3, \text{ in-lbs} \quad m_3 = \text{wing torsion gage moment, in-lbs}$$

$$T_{W1307} = T_W + N_W (e_m) \quad e_m = \text{distance from } m_3 \text{ to torsion reference center } (X_0 = 1307), \text{ inches}$$

$$C_{T_{W1307}} = \frac{T_{W1307}}{q S_W \bar{c}} \quad \bar{c} = \text{wing reference chord, inches}$$

- (7) Compute right wing panel leading edge, upper surface, lower surface and net pressure coefficients for the inboard chord-wise location ($\eta = 0.436$)

$$C_{P_{LEi}} = \frac{P_{W_{LEi}} - P_o}{q} \quad i = 1$$

$$C_{P_{WUi}} = \frac{P_{W_{Ui}} - P_o}{q} \quad i = 2+13$$

$$C_{P_{WLi}} = \frac{P_{W_{Li}} - P_o}{q} \quad i = 14+25$$

$$C_{P_{Ti}} = C_{P_{WUi}} - C_{P_{WLi}} \quad \text{e.g., } i = (2-14), (3-15), \text{ etc.}$$

- (8) Compute right wing panel leading edge, upper surface, lower surface and net pressure coefficients for the outboard chord-wise location ($\eta = 0.771$)

DATA REDUCTION (Continued)

$$C_{P_{LEi}} = \frac{P_{W_{LEi}} - P_o}{q} \quad i = 26$$

$$C_{P_{WUi}} = \frac{P_{W_{Ui}} - P_o}{q} \quad i = 27-34$$

$$C_{P_{WLi}} = \frac{P_{W_{Li}} - P_o}{q} \quad i = 35-42$$

$$C_{P_{Ti}} = C_{P_{WUi}} - C_{P_{WLi}} \quad \text{e.g., } i = (27-35), (28-36), \text{ etc}$$

Angle of attack and angle of yaw were corrected for sting deflection. Gage interactions for wing bending and torsion were also applied.

The following reference dimensions and constants were used during this test:

<u>Symbol</u>	<u>Definition</u>	<u>Model Scale</u>	<u>Full Scale</u>
S_w	wing reference area, ft ²	0.6053	2690.00
B_{REF}	wing span, in	14.0502	936.68
\bar{c}	wing MAC, in	7.1220	474.80
S_e	elevon reference area, ft ²	0.0473	210.00
C_e	elevon reference chord, in	1.3605	90.70
S_{BF}	body flap reference area, ft ²	0.0304	135.60
C_{BF}	body flap reference chord, in	1.2150	81.00
L_{REFX}	Orbiter body length, in	19.355	1290.30

DATA REDUCTION (Concluded)

L_{REFY}	wing semispan, in	7.0251	468.34
Gage Constants			
a_m	distance from m_1 to m_2 , in	0.6737	-
d	distance from m_2 to exposed wing root chord, in	0.9448	-
e_m	distance from m_3 to torsion reference point, in	0.7050	-

TABLE I.

[illegible]

TABLE II.

TEST: IA 70 TWT 282				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 29 MAY 1974				
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	$\delta\epsilon_1$	$\delta\epsilon_2$	$\delta\epsilon_3$	$\delta\epsilon_4$		δBF	0.90	1.12	1.24	1.50					
RF7001	Φ_1	A	0	0	0	0	0		0	15			16					
002	$\Phi_1 T_{12} S_1 P_2 P_3$				0	0				19	18	17	58					
003					+4	+4				20	21	22	59					
004					+8	+8				25	24	23	60					
005					↓	+12	+12	↓		26	27	28	61					
006					+4	+12	+12	+4		31	30	29	62					
007						+8	+8			32	33	34	63					
008						+8	+8			35								
009						+4	+4			36	37	38	176					
010					↓	0	0	↓		41	40	39						
011					+8	0	0	+8		42	43	44						
012						+4	+4			47	46	45						
013						+8	+8			48	49	50	177					
014					↓	+12	+12	↓		53	52	51						
015					-4	+12	+12	-4					54					
016						+8	+8						55					
017						+4	+4						56					
018						0	0						57					
		1	7	13	19	25	31	37	43	49	55	61	67	73	76			
CHEG, CHEI, CHET, CHBF, CPW, CTW												MACH		ALPHA				
												IDVAR (1)		IDVAR (2)		NDV		
												$\delta\epsilon_1 = LH OUTD$		$\delta\epsilon_2 = LH INBD$				
												$\delta\epsilon_3 = RH INBD$		$\delta\epsilon_4 = RH OUTD$				

TABLE II. - Continued.

TEST: IA70		TWT 282		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 29 MAY 1974				
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	δe_1	δe_2	δe_3	δe_4		δBF		0.90		1.12		1.24		1.50	
RF7019	$\Phi_1 T_1 2 S_1 P_2 P_8$	A	0	-8	+8	+8	-8		0								64	
020				-8	+12	+12	-8										65	
021				-4	+8	+8	-4										66	
022			+8														67	
023			-4														68	
024			-8														69	
025			+8	0	+12	+12	0								71			
026			+4												164			
027			-4												163			
028			-8												70			
029			-8												162			
030			+8	+4			+4				75		72					
031			-8								74		73					
032			+8		+4	+4									170			
033			-8		+4	+4									171			
034			+8	+8	+8	+8	+8								173			
035			-8	+8	+8	+8	+8								172			
036			+8	0	0	0	0								166			

17

13

19

25

31

37

43

49

55

61

67

75

76

CHEP

CHEI

CHET

CHBF

CBW

CTW

MACH

ALPHA

α OR β

SCHEDULES

COEFFICIENTS

$\alpha(A) = -8 \text{ to } +8, \Delta\alpha = 2^\circ$

IDVAR (1)

IDVAR (2)

NDV

$\delta e_1 = LH \text{ OUTBD}$

$\delta e_2 = LH \text{ INBD}$

$\delta e_3 = RH \text{ INBD}$

$\delta e_4 = RH \text{ OUTBD}$

TABLE II. - Continued.

TEST: IA70 TWT 282		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 29 MAY 1974				
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)							
		α	β	δ_{21}	δ_{22}	δ_{23}	δ_{24}		δ_{BF}	0.90	1.12	1.24	1.50			
RF7037	$\Phi_1 T_{12} S_1 P_2 P_8$	A	-8	0	0	0	0		0				165			
038	P ₉		0										167			
039	P ₁₀												169			
040	P ₁₁												174			
041	P ₁₁		+8								175					
042	$\Phi_1 T_{12} S_1 P_2 P_8$		0					+10					168			
043			+8					0		137	145	76		117		
044			+4							136	144	79		116		
045			0							138	143	78		115		
046			-4							139	142	80		114		
047			-8							140	141	77		113		
048			+8	+4	+4	+4	+4			94	101	132		108		
049			+4							135	100	131		109		
050			0							95	99	130		110		
051			-4							134	98	129		111		
052			-8							96	97	133		112		
053			+8	+8	+8	+8	+8			150	159	149		102		
054			+4	+8	+8	+8	+8			151	158	125		124		
		1	7	13	19	25	31	37	43	49	55	61	67	75 76		
		CHEA	CHEI	CHEI	CHBF	CBW	CTW			MACH		ALPHA				
		COEFFICIENTS									IDVAR (1)	IDVAR (2)	NDV			
α OR β		$\alpha(A) = -8$ to $+8$, $\Delta\alpha = 2^\circ$									$\delta_{21} =$ LH OUTBD	$\delta_{22} =$ LH INBD				
SCHEDULES											$\delta_{23} =$ RH INBD	$\delta_{24} =$ RH OUTBD				

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: Attach Structure ATgGENERAL DESCRIPTION: Aft SRB/ET attach structure (3 member structure)

Model Scale: 0.015

DRAWING NO: VL72-000106

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _B	<u>1515</u>	<u>22.725</u>
			<u>± 56</u>	<u>± .840</u>
		Y _B	<u>50</u>	<u>.750</u>
		Z _B	<u>2058</u>	<u>30.870</u>
		X _T	<u>± 158</u>	<u>2.370</u>
		Y _T	<u>450</u>	<u>6.75</u>
		Z _T		
	#2	X _B	<u>1515</u>	<u>22.725</u>
			<u>± 76</u>	<u>± 1.140</u>
		Y _B	<u>18</u>	<u>.270</u>
		Z _B	<u>2058</u>	<u>30.870</u>
		X _T	<u>160</u>	<u>2.400</u>
		Y _T	<u>445</u>	<u>6.675</u>
		Z _T		
	#3	X _B	<u>1515</u>	<u>22.725</u>
			<u>± 56</u>	<u>± .840</u>
		Y _B	<u>- 50</u>	<u>- .750</u>
		Z _B	<u>2058</u>	<u>30.870</u>
		X _T	<u>+ 158</u>	<u>± 2.370</u>
		Y _T	<u>350</u>	<u>5.250</u>
		Z _T		

Diameter of Members: TBD

TABLE III. - Continued.

MODEL COMPONENT: Attach Structure AT₁₂GENERAL DESCRIPTION: Left rear orbiter/ET attach structure (2 member structure)

Model Scale: 0.015

DRAWING NO. VL78-000050

DIMENSION:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _O	<u>1303</u>	<u>19.545</u>
		Y _O	<u>-96</u>	<u>-1.440</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>1859</u>	<u>27.885</u>
		Y _T	<u>115</u>	<u>1.725</u>
		Z _T	<u>510</u>	<u>7.650</u>
	#2	X _O	<u>1317</u>	<u>19.755</u>
		Y _O	<u>-96</u>	<u>-1.440</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>115</u>	<u>1.725</u>
		Z _T	<u>510</u>	<u>7.650</u>

Diameter of Members: TBD

TABLE III. - Continued.

MODEL COMPONENT: Attach Structure AT₁₃GENERAL DESCRIPTION: Right rear orbiter/ET attach structure (3 member structure)

Model Scale: 0.015

MODEL NO. VL78-000050

DIMENSION:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _O	<u>1313</u>	<u>19.695</u>
		Y _O	<u>+96</u>	<u>1.44</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>1859</u>	<u>27.885</u>
		Y _T	<u>-115</u>	<u>-1.725</u>
		Z _T	<u>-510</u>	<u>7.650</u>
	#2	X _O	<u>1317</u>	<u>19.755</u>
		Y _O	<u>+96</u>	<u>1.440</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>-115</u>	<u>-1.725</u>
		Z _T	<u>510</u>	<u>7.650</u>
	#3	X _O	<u>1317</u>	<u>19.755</u>
		Y _O	<u>96</u>	<u>1.440</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>0</u>	<u>0</u>
		Z _T	<u>566</u>	<u>8.490</u>

Diameter of Members: TBD

TABLE III. - Continued.

MODEL COMPONENT: Attach Structure AT₄GENERAL DESCRIPTION: Forward SRB/ET attach structure

Model Scale: 0.015

DRAWING NO: VL77-000051A

DIMENSION:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
X _B	<u>404</u>	<u>6.060</u>
Y _B	<u>± 177</u>	<u>2.655</u>
Z _B	<u>0</u>	<u>0</u>
X _T	<u>947</u>	<u>14.205</u>
Y _T	<u>± 167</u>	<u>2.505</u>
Z _T	<u>400</u>	<u>6.000</u>

TABLE III - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₅

GENERAL DESCRIPTION: Forward attach structure between the orbiter and external tank. Modified to accept Rockwell International Trisonic Wind Tunnel starting loads.

MODEL SCALE: 0.015

MODEL DRAWING NO.: SS-A01166-4

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Strut centerline:	X _O	<u>391.00</u>	<u>5.865</u>
	Y _O	<u>0.0</u>	<u>0.0</u>
	X _T	<u>998.87</u>	<u>14.980</u>
	Y _T	<u>0.0</u>	<u>0.0</u>
Strut diameter, In.		<u>33.33</u>	<u>0.500</u>

TABLE III. - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₇

GENERAL DESCRIPTION: Forward attach structure between the orbiter and external tank. Same as AT₁₅ except for addition of a wedge fairing fore and aft of the strut.

MODEL SCALE: 0.015

DRAWING NO.: SS-A01255

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Wedge Leading Edge:	X _O	<u>291.00</u>	<u>4.365</u>
	Y _O	<u>0.0</u>	<u>0.0</u>
	X _T	<u>1032.00</u>	<u>15.480</u>
	Y _T	<u>0.00</u>	<u>0.00</u>
Length of Fairing, In.		<u>200.00</u>	<u>3.000</u>
Maximum width, In.		<u>37.53</u>	<u>0.563</u>
Leading Edge Radius, In.		<u>4.00</u>	<u>0.060</u>

*REVISED 4/24/74

TABLE III. - Continued.

MODEL COMPONENT : BODY - B₂₆

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Fuselage

NOTE: B₂₆ is identical to B₂₄, except underside of fuselage has been
refaired to accept W₁₁₆.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER : VL70-000143B, -000200, 000205, -006089, -000145,
-000140A, 000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
*Length (OML: Fwd Sta. X ₀ =235)-In.	1293.3	19.400
*Length (IML: Fwd Sta. X ₀ =238)-In.	1290.3	19.350
* Max Width (@ X = 1528.3) - In.	264.0	3.960
Max Depth (@ X ₀ = 1464) - In.	250.0	3.750
Fineness Ratio		
Area - Ft ²		
Max. Cross-Sectional	340.88	0.077
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL COMPONENT : Canopy (C₉)GENERAL DESCRIPTION : Configuration 140 A/B Orbiter FuselageModel Scale = 0.015Model Drawing No. SS-A00147DRAWING NUMBER : VL70-000140A
VL70-000143A

DIMENSIONS :

FULL SCALE

MODEL SCALE

Length ($X_0=434.643$ to 578), in.143.3572.150Max Width (@ $X_0=513.127$), in.152.4122.286Max Depth (@ $X_0=485.0$), in.25.0000.375

Fineness Ratio

Area

Max. Cross-Sectional

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: ALTERNATE SLOTTED ELEVON - E₃₇GENERAL DESCRIPTION: Configuration 140A/B Orbiter Elevon.E₃₇ is a slotted version of E₂₆. Data is for one side.MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12DRAWING NUMBER: VL70-000200, -006089, -006092 and
Fig. 4A of SAS/AERO/76-643

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>210.00</u>	<u>0.0473</u>
Span (equivalent) - In.	<u>349.20</u>	<u>5.238</u>
Inb'd equivalent chord In.	<u>118.00</u>	<u>1.770</u>
Outb'd equivalent chord	<u>55.19</u>	<u>0.828</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.055</u>	<u>- 10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line) Ft ³	<u>1587.25</u>	<u>0.00536</u>

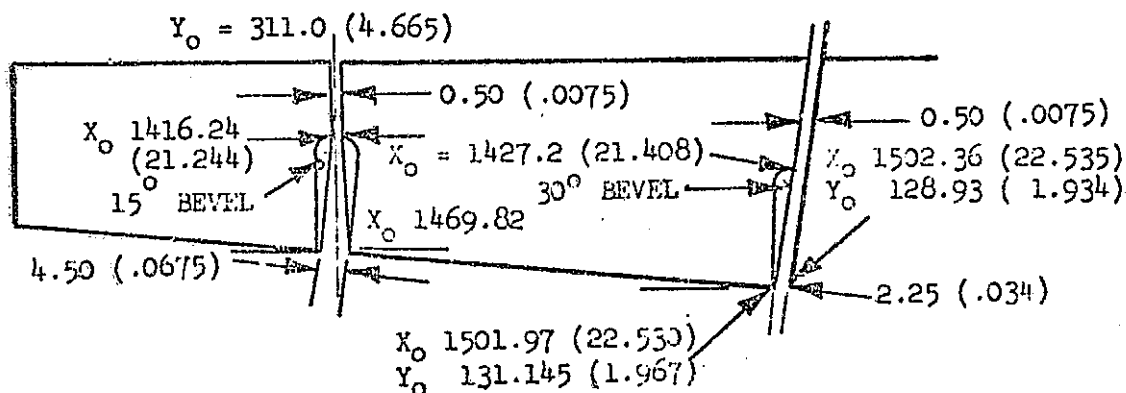


TABLE III. - Continued.

MODEL COMPONENT : BODY FLAP - FGENERAL DESCRIPTION : Configuration 140A/B Orbiter Body FlapMODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12DRAWING NUMBER : VL70-000140A, VL70-000145, VL70-000200

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0=1520$ to $X_0=1613$) - In.	<u>93.000*</u>	<u>1.395</u>
Max Width - In.	<u>262.000</u>	<u>3.930</u>
Max Depth ($X_0 = 1520$) - In.	<u>23.000</u>	<u>0.345</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>142.6</u>	<u>0.0321</u>
Wetted	<u> </u>	<u> </u>
Base	<u>41.847</u>	<u>0.0094</u>

*Model dim. measured from Model Sta. 15.20

TABLE III. - Continued.

MODEL COMPONENT: FEEDLINE - FL₁

GENERAL DESCRIPTION: LOX feedline between ET and Orbiter.

MODEL SCALE: 0.015

DRAWING NO.: VL78-000050

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at:	X _T	<u>2063.5</u>	<u>30.953</u>
	Y _T	<u>+ 70.0</u>	<u>+ 1.050</u>
	X _O	<u>1440.6</u>	<u>21.609</u>
	Y _O	<u>70.0</u>	<u>1.050</u>
Diameter		<u>18.5</u>	<u>0.278</u>

TABLE III. - Continued.

MODEL COMPONENT: FEEDLINE - FL₂

GENERAL DESCRIPTION: LH₂ feedline between ET and Orbiter.

MODEL SCALE: 0.015

DRAWING NO.: VL78-000050

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at:	X _T	<u>2063.5</u>	<u>30.953</u>
	Y _T	<u>- 70.00</u>	<u>- 1.050</u>
	X _O	<u>1330.5</u>	<u>19.958</u>
	Y _O	<u>- 70.00</u>	<u>-1.050</u>
Diameter		<u>18.5</u>	<u>0.278</u>

TABLE III. - Continued.

MODEL COMPONENT: REAR ATTACH STRUCTURE FAIRING - FR₆

GENERAL DESCRIPTION: Rear ET/Orbiter attach structure cross-member or beam fairing used in conjunction with AT₁₂, AT₁₃, FL₁ and FL₂. Includes diagonal strut.

MODEL SCALE: 0.015
DRAWING NO: VL78-000062B, SS-A01256
DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading Edge centerline at:	X _T	<u>2036.67</u>	<u>30.550</u>
	Y _T	<u>0.00</u>	<u>0.00</u>
	Z _T	<u>183.00</u>	<u>2.745</u>
Maximum length, In.		<u>64.00</u>	<u>0.960</u>
Maximum width, In.		<u>190.00</u>	<u>2.850</u>

TABLE III. - Continued.

MODEL COMPONENT : OMS Pod (M7)GENERAL DESCRIPTION : Configuration 140 A/B Orbiter OMS-PodModel Scale = 0.015Model Drawing No. SS-A00147

DRAWING NUMBER :

VL70-000140AVL70-000145

DIMENSIONS :

FULL SCALE

MODEL SCALE

Length(OMS Fwd Sta $X_0=1233.0$) -IN. 327.0004.905Max Width (@ $X_0=1450.0$) - IN. 94.51.418Max Depth (@ $X_0=1493.0$) - IN. 109.0001.635Fineness Ratio Area Max. Cross-Sectional Planform Wetted Base

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - (N 28)GENERAL DESCRIPTION: Configuration 140 A/B Orbiter OMS NozzleMODEL SCALE = 0.015Model Drawing No. SS-A00147DRAWING NO. VL70-000140A, VL70-000145DIMENSIONSFULL SCALEMODEL SCALE

Mach No. _____

Length ~ in.

Gimbal Point to Exit Plane

Throat to Exit Plane

Diameter ~ in.

Exit

Throat

Inlet

Area ~ ft².

Exit

Throat

Gimbal Point (station) ~ in.

X

Y

Z

Null Position ~ deg.

Pitch

Yaw

1518.00± 88.0492.015° 49'12° 17'22.771.327.3815° 49'12° 17'

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N41GENERAL DESCRIPTION: Configuration 4 BSRM Nozzles

MODEL SCALE = 0.015

DRAWING NO. VL72-000088E
VL77-000036ADIMENSIONSFULL SCALEMODEL SCALE

Mach No. _____

Length ~ in.

Gimbal Point to Exit Plane

141.32.120

Throat to Exit Plane

Diameter ~ in.

Exit

141.32.120

Throat

Inlet

Area ~ ft².

Exit

108.89 950.0245

Throat

Gimbal Point (station) ~ in.

X

1796.1526.942

Y

+243.0+3.645

Z

400.06.0

Null Position ~ deg.

Pitch

0°0°

Yaw

0°0°FS of Nozzle Exit Plane (X_T) IN.

41

24.8137.260

TABLE III. - Continued.

MODEL COMPONENT: SRB Protuberance PS₁DESCRIPTION: Electrical tunnel fairing on top of each SRBMODEL SCALE: 0.015DRAWING NO: VL77-000036A

DIMENSION: (Data for 1 of 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X_B	<u>467</u>	<u>7.001</u>
C of tunnel Y_B	<u>0</u>	<u>0</u>
Trailing edge at X_B	<u>1820</u>	<u>27.30</u>
Height, in.	<u>3</u>	<u>.045</u>
Width, in.	<u>6</u>	<u>.090</u>
\angle_{LE} , deg.	<u>72</u>	<u>72</u>

TABLE III. - Continued.

MODEL COMPONENT: SRB Protuberance PS₂DESCRIPTION: SRB/ET attach ringMODEL SCALE: 0.015DRAWING NO.: VL77-000036A

DIMENSIONS: (Data for 1 of 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
C at X_B	<u>1515</u>	<u>22.725</u>
Width, η .	<u>10</u>	<u>.15</u>
Height, η .	<u>10</u>	<u>.15</u>

TABLE III. - Continued.

MODEL COMPONENT: SRB Protuberance PS₃

DESCRIPTION: Separation rocket fairing on each SRB nozzle shroud located
30° inboard from top centerline.

MODEL SCALE: 0.015

DRAWING NO.: VL77-000036A

DIMENSIONS: (Data for 1 of 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X_B	<u>1796</u>	<u>26.940</u>
Trailing edge at X_B	<u>1889</u>	<u>28.335</u>

Radial location is 30° inboard from top centerline.

TABLE III. - Continued.

MODEL COMPONENT: ET Protuberance PT₁

DESCRIPTION: LOX Vent Line Fairing on Tank T₁₂ Nose

MODEL SCALE: .015

DRAWING NO. VL78-000031A

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
DIMENSIONS: Leading edge at X_T	<u>321</u>	<u>4.815</u>
Y_T	<u>0</u>	<u>0</u>
Trailing edge at X_T	<u>947</u>	<u>14.205</u>
Y_T	<u>-70</u>	<u>1.053</u>

TABLE III. - Continued.

MODEL COMPONENT: ET Protuberance PT₂DESCRIPTION: LOX feed lines on vehicle 4 tank secured to tank by brackets
with 50-inch spacingMODEL SCALE: 0.015DRAWING NO. VL78-000031A

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
DIMENSIONS: Leading edge at X_T	<u>947</u>	<u>14.205</u>
Y_T	<u>-70</u>	<u>-1.053</u>
Trailing edge at X_T	<u>1330</u>	<u>19.950</u>
Y_T	<u>-70</u>	<u>-1.053</u>
Bracket spacing from $X_T = 997$, in.	<u>50</u>	<u>.75</u>

TABLE III. - Continued.

MODEL COMPONENT: ET Protuberance PT₃

DESCRIPTION: LH₂ feed line on vehicle 4 tank secured to tank by brackets
with 50-inch spacing.

MODEL SCALE: 0.015

DRAWING NO. VL78-000031A

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
DIMENSIONS:	Leading edge at X_T	<u>947</u>	<u>14.205</u>
	Y_n	<u>70</u>	<u>1.053</u>
	Trailing edge at X_T	<u>1330</u>	<u>19.950</u>
	Y_T	<u>70</u>	<u>1.053</u>
	Bracket spacing from $X_T = 997$, in.	<u>50</u>	<u>.75</u>

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5GENERAL DESCRIPTION: Configuration 140A/B Orbiter RudderModel Scale = 0.015Model Drawing No. SS-A00148DRAWING NUMBER: VL70-000146A
VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area, ft ²	<u>100.15</u>	<u>0.0225</u>
Span (equivalent), in	<u>201.0</u>	<u>3.015</u>
Inb'd equivalent chord, in	<u>91.585</u>	<u>1.374</u>
Outb'd equivalent chord, in	<u>50.833</u>	<u>0.762</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line), ft ³ (Product of Area and Mean Chord)	<u>610.92</u>	<u>0.00206</u>
* Mean Aerodynamic Chord, in	<u>73.2</u>	<u>1.098</u>

TABLE III. - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - (S12)GENERAL DESCRIPTION: Configuration 3A, Data for (1) of (2) sides,
per Rockwell Lines VL77-000036AModel Scale = 0.015DRAWING NUMBER VL72-000088D
VL77-000036A

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle) - IN.	<u>1741.0</u>	<u>26.115</u>
Max Width (Tank Dia) - IN.	<u>142.3</u>	<u>2.135</u>
Max Depth (Aft Shroud) - IN.	<u>192.0</u>	<u>2.880</u>
Fineness Ratio	<u>9.06771</u>	<u>9.06771</u>
Area - FT ²		
Max Cross-Sectional	<u>201.06193</u>	<u>0.0452</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
WP of BSRM Centerline (Z _T) - IN.	<u>400</u>	<u>6.000</u>
FS of BSRM Nose (X _T) - IN.	<u>743</u>	<u>11.145</u>

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - (212)GENERAL DESCRIPTION: External Oxygen Hydrogen TankNOTE: Identical to T11 with external fuel lines addedModel Scale = 0.015

DRAWING NUMBER

VL78-00003LA
VL78-000041A/BDIMENSION:FULL SCALEMODEL SCALELength - IN. (Nose @ $X_T = 309$)186527.975

Max Width (Dia) - IN.

3244.86

Max Depth, in.

Fineness Ratio

5.756175.75617Area - FT²

Max Cross-Sectional

572.5550.1288

Planform

Wetted

Base

WP of Tank Centerline (Z_T) - IN.400.06.000

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - V 8.GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Vertical TailNOIT: Similar to V5 with radius on TE upper corner and LE lower cornerwhere vertical meets fuselage.

Model Scale = 0.015

Model Drawing No. SS-A00148

DRAWING NUMBER:

VL70-000140A

VL70-000146A

DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATAArea (Theo) Ft^2

413.253

0.09298

Planform

Span (Theo) In

315.720

4.73580

Aspect Ratio

1.675

1.675

Rate of Taper

0.507

0.507

Taper Ratio

0.40399

0.40399

Sweep Back Angles, degrees

Leading Edge

45.00

45.00

Trailing Edge

26.20

26.20

0.25 Element Line

41.130

41.130

Chords:

Root (Theo) WP

268.500

4.02750

Tip (Theo) WP

108.470

1.62705

MAC

199.80756

2.99711

Fus. Sta. of .25 MAC

1463.50

21.95250

W. P. of .25 MAC

635.522

9.53283

B. L. of .25 MAC

0.00

0.00

Airfoil Section

Leading Wedge Angle Deg

10.00

10.00

Trailing Wedge Angle Deg

14.920

14.920

Leading Edge Radius

2.00

0.0300

Void Area

13.17

0.00296

Blanketed Area

0.00

0.00

TABLE III. - Concluded.

MODEL COMPONENT: Wing, W116GENERAL DESCRIPTION: Configuration 140A/B Orbiter Double Delta Wing.

Model Scale = .015

DRAWING NUMBER: VL70-000140B
VL70-000200

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, ft ² (Theoretical)		
Planform	2690.00	0.6053
Wetted		
Span (equivalent), in	936.682	14.050
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Diehedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Toe-In Angle	0.0	0.0
Cant Angle	0.0	0.0
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	-10.056	-10.056
0.25 Element Line	35.209	35.209
Chords: ∞		
Root (Wing Sta. 0.0)	689.243	10.339
Tip, (equivalent)	137.849	2.068
MAC	474.812	7.122
Fus. Sta. of .25 MAC	1136.830	17.052
W.P. of .25 MAC	290.580	4.359
B.L. of .25 MAC	182.130	2.732
Airfoil Section		
Root	Mod. NASA	XXXX-64
Tip		

EXPOSED DATA

Area, ft ² (Theo.)	1751.500	0.3941
Span, (equivalent), in (Theo.)	720.680	10.081
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords, in.		
Root B.P. 108	562.090	8.431
Tip	137.851	2.068
MAC	392.830	5.892
Fus. Sta. of .25 MAC	1185.980	17.790
W.P. of .25 MAC	294.300	4.415
B.L. of .25 MAC	251.770	3.777

Cuff Data for 1 of 2 sides, Area, ft ²	113.18	1.698
L.E. intersects fus. ML @ Sta.	500.00	7.500
" " wing @ Sta.	1024.00	15.360

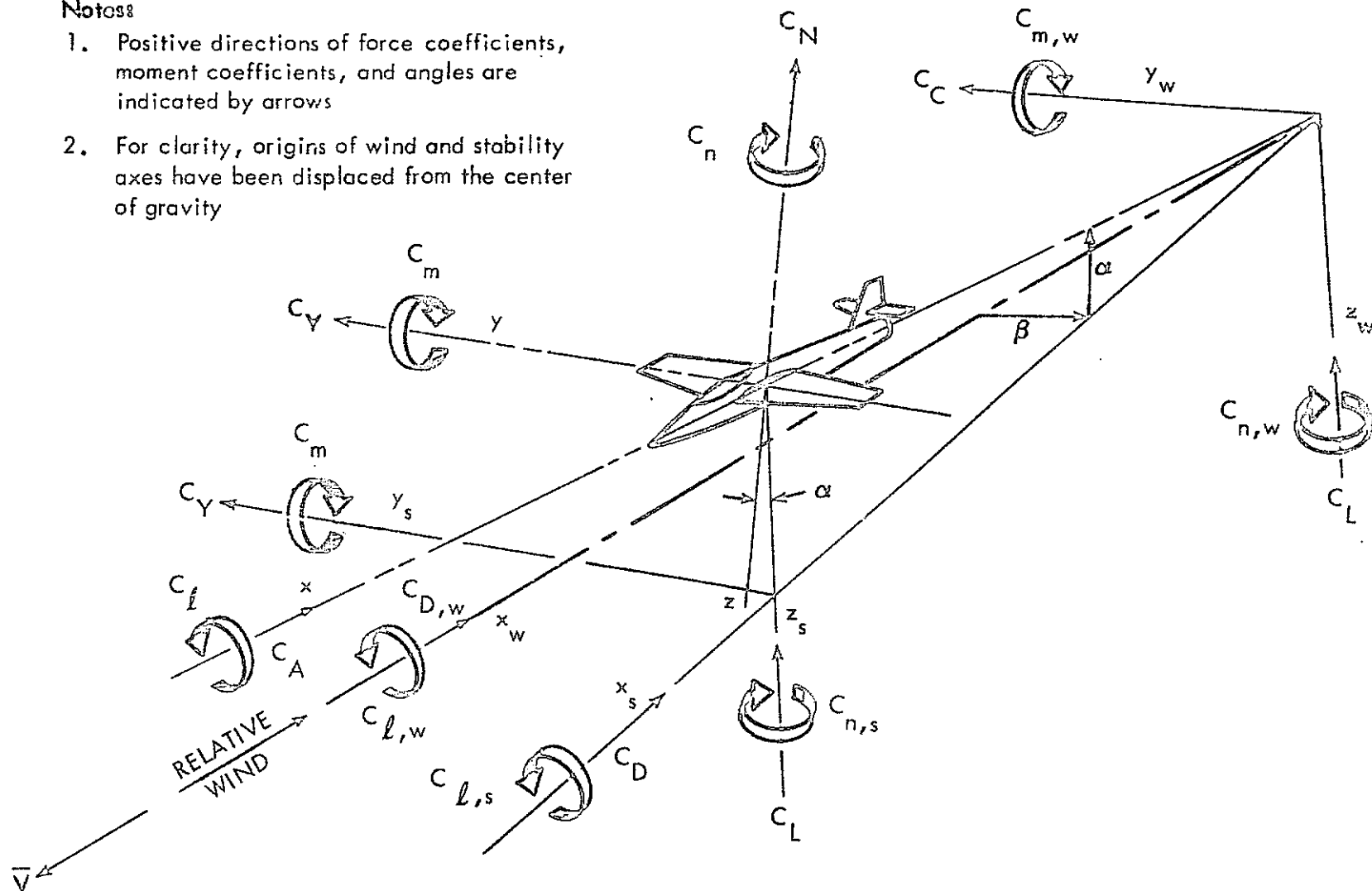
TABLE IV. - PRESSURE INSTRUMENTATION

Inboard Station $Y_o = 204.00$ $c = 449.06$ in			Outboard Station $Y_o = 361.00$ $c = 264.22$ in		
Tap No.	X/C	Surface	Tap No.	X/C	Surface
1	0	LE	26	0	LE
2	0.030	upper	27	0.02	upper
3	0.048	upper	28	0.05	upper
4	0.085	upper	29	0.15	upper
5	0.177	upper	30	0.25	upper
6	0.274	upper	31	0.65	upper
7	0.402	upper	32	0.75	upper
8	0.565	upper	33	0.85	upper
9	0.760	upper	34	0.95	upper
10	0.808	upper	35	0.02	lower
11	0.857	upper	36	0.05	lower
12	0.905	upper	37	0.15	lower
13	0.953	upper	38	0.25	lower
14	0.030	lower	39	0.65	lower
15	0.048	lower	40	0.75	lower
16	0.085	lower	41	0.85	lower
17	0.177	lower	42	0.95	lower
18	0.274	lower			
19	0.402	lower			
20	0.565	lower			
21	0.760	lower			
22	0.808	lower			
23	0.857	lower			
24	0.905	lower			
25	0.953	lower			

For Right Hand Wing Panel

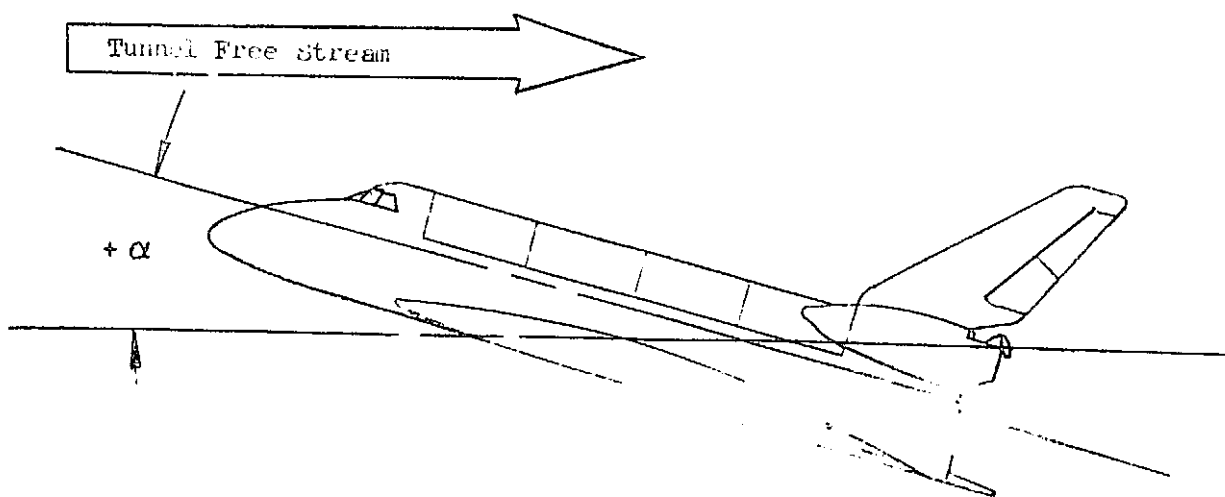
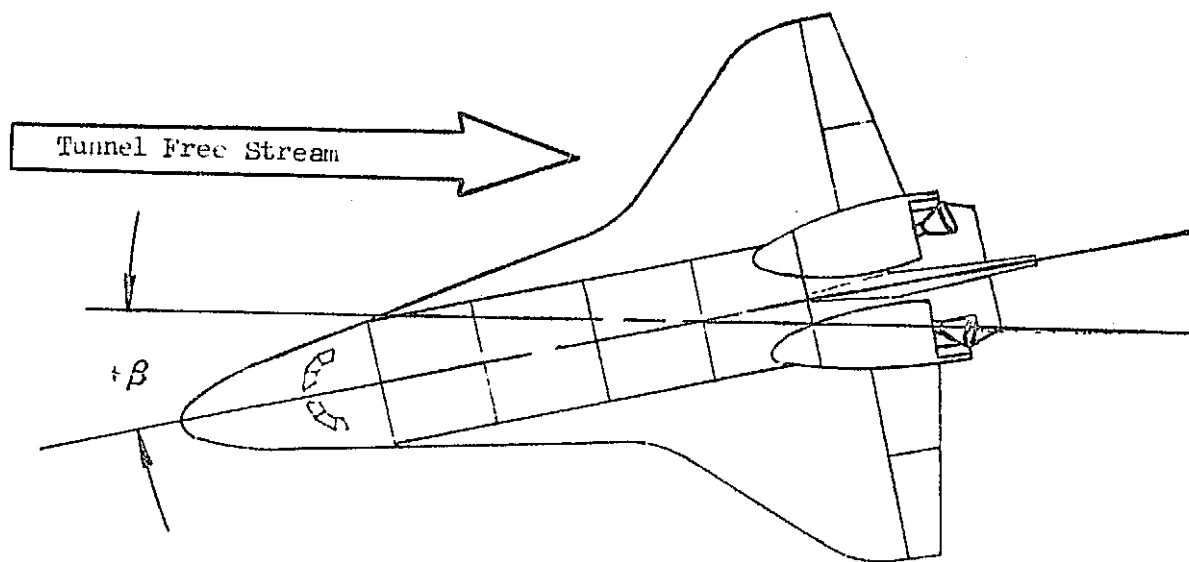
Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



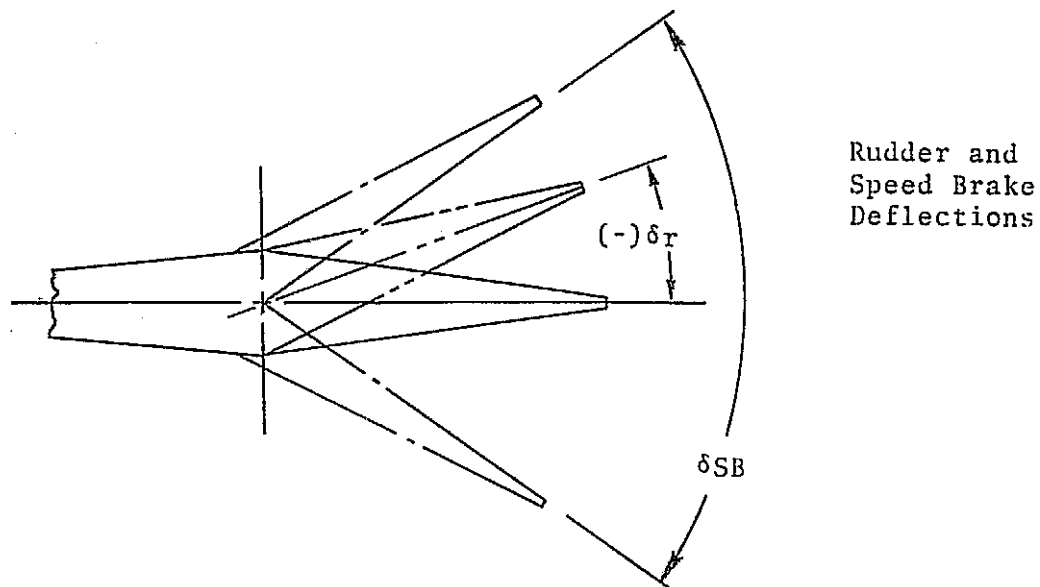
a. General

Figure 1. - Axis systems.

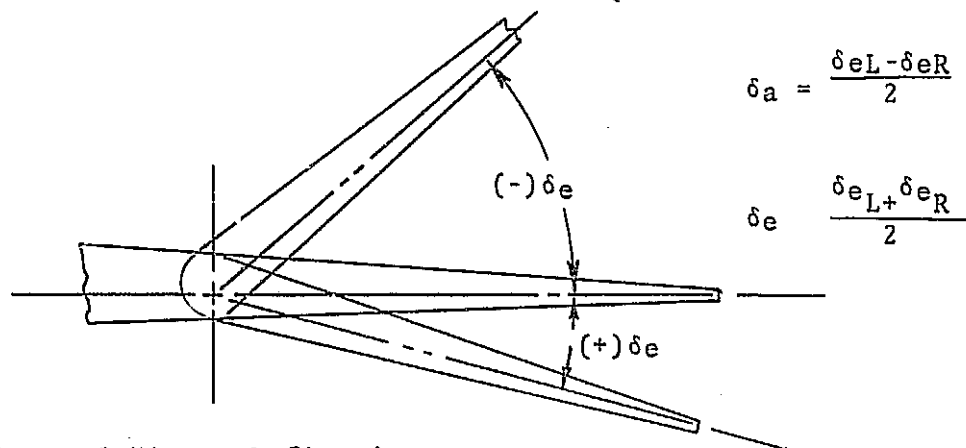


b. Model Attitude Definition

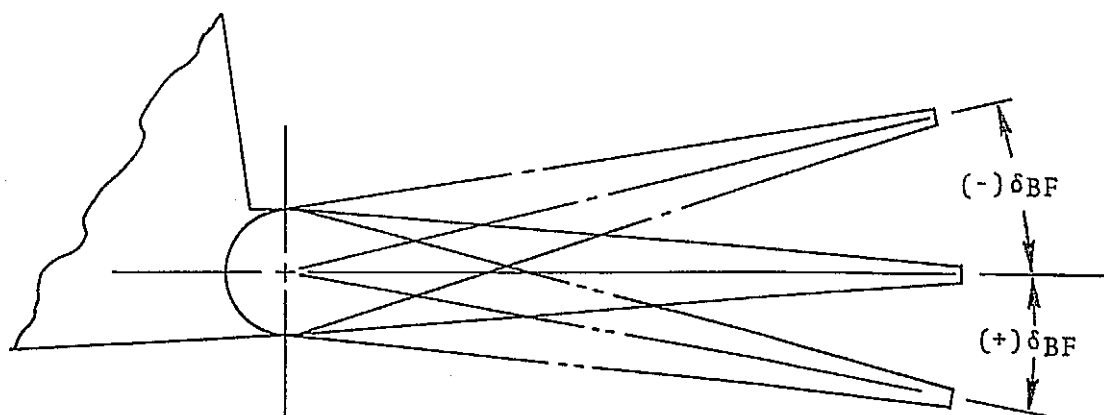
Figure 1. - Continued.



Rudder and
Speed Brake
Deflections



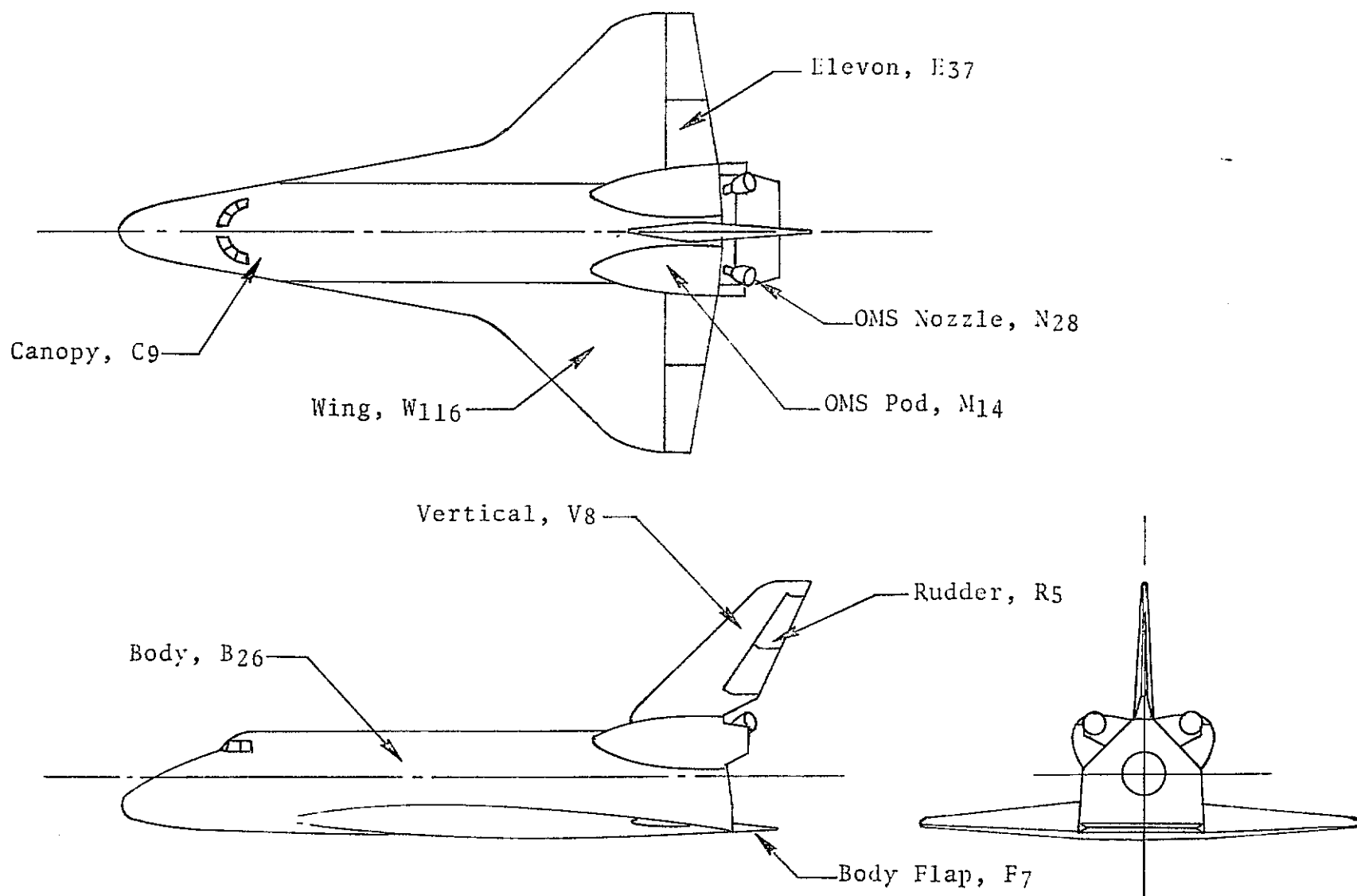
Aileron & Elevon Deflections



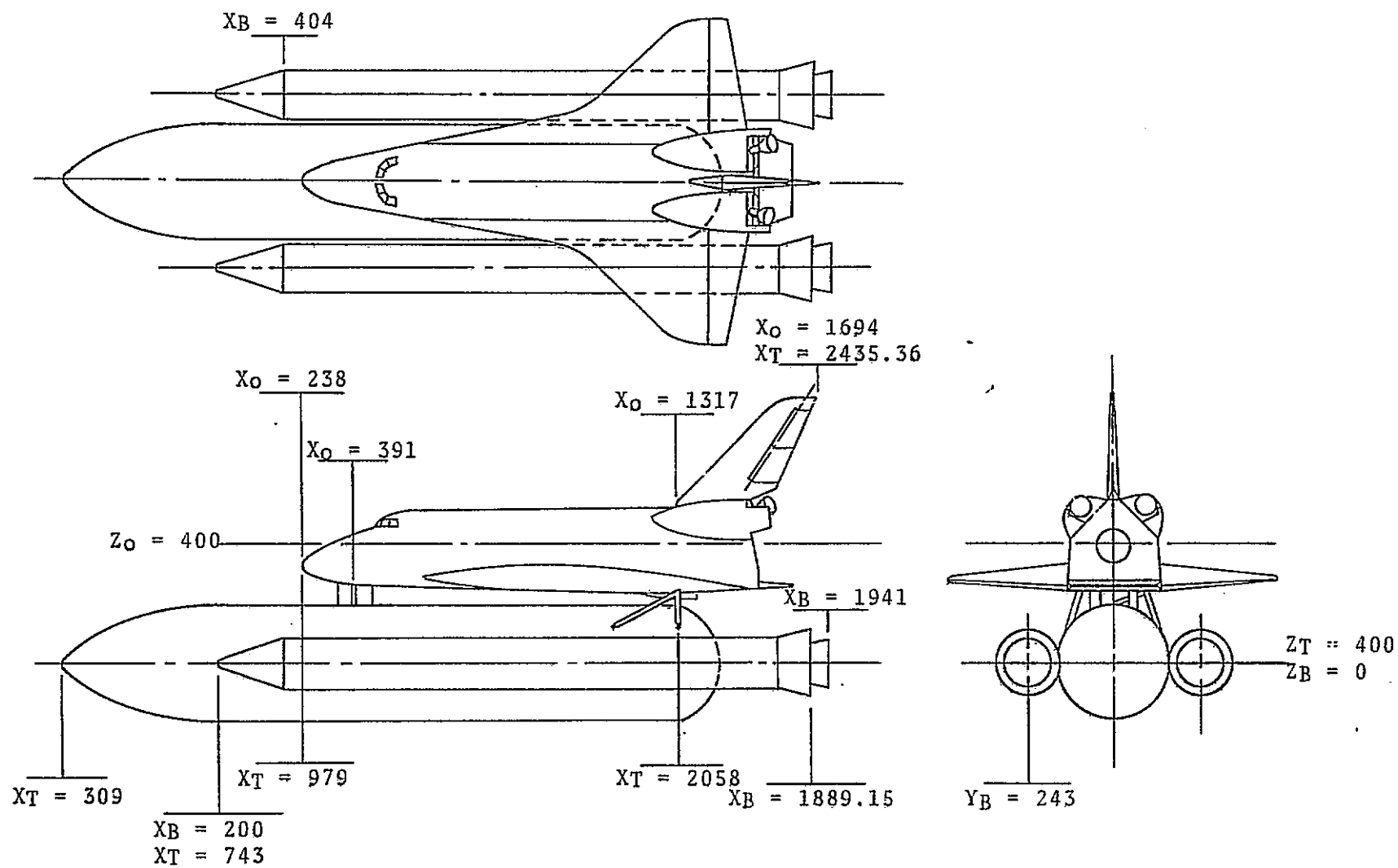
Body Flap Deflections

c. Sign Convention for Control Surfaces

Figure 1. - Concluded.

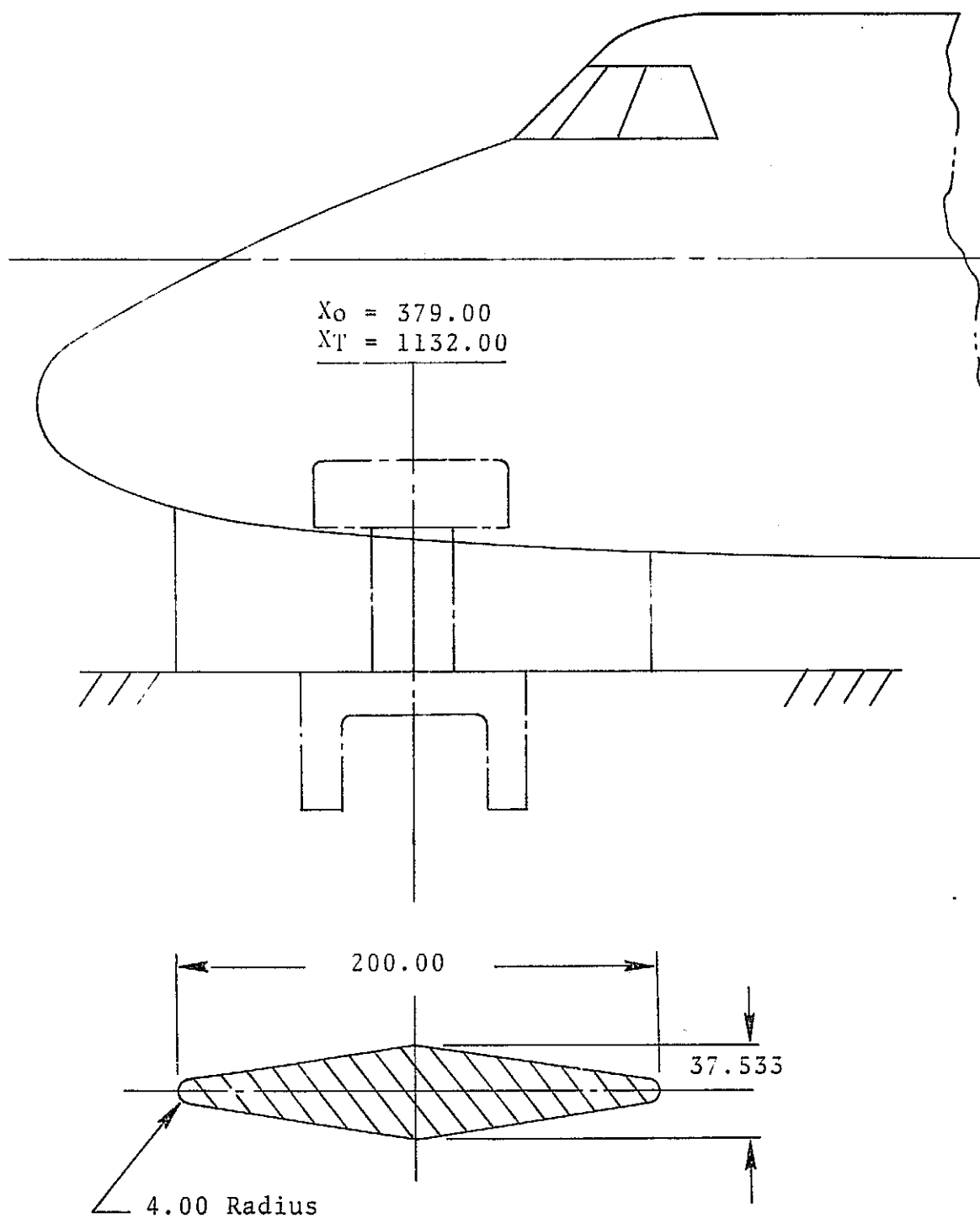


a. General Arrangement, - 140A/B Orbiter
Figure 2. - Model sketches.



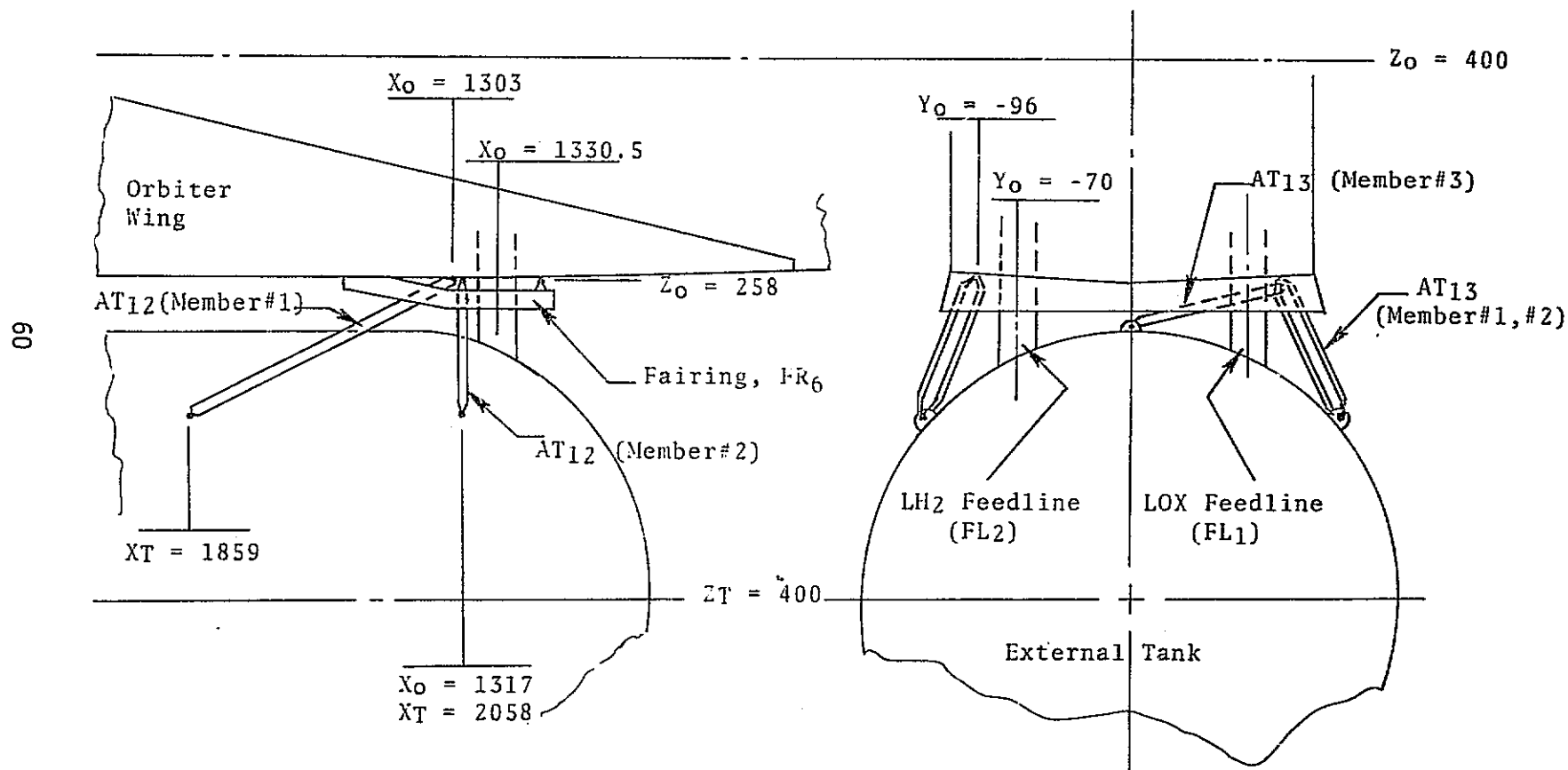
b. Mated Vehicle Configuration

Figure 2. - Continued.



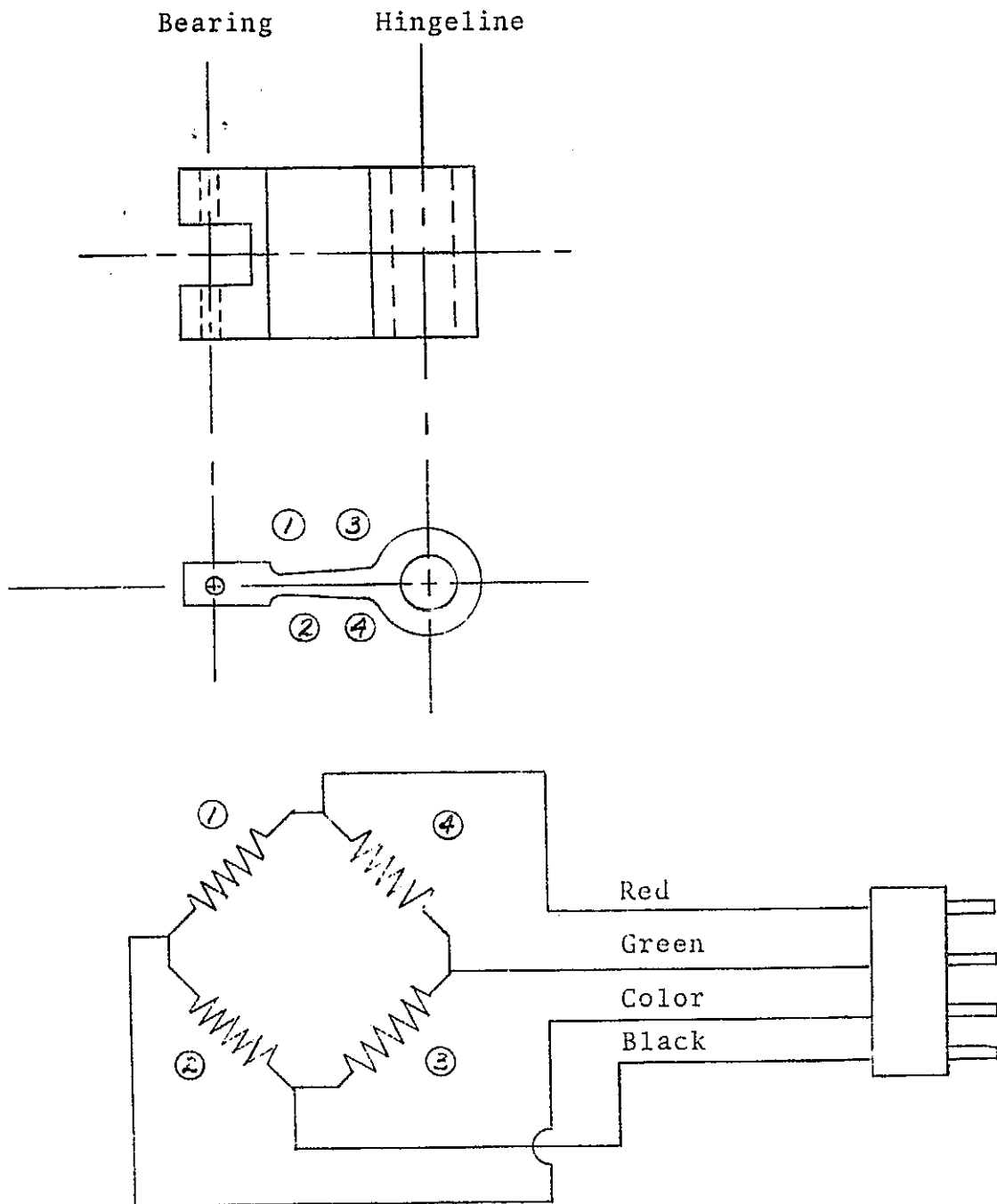
c. Forward Orbiter/ET Attach Hardware

Figure 2. - Continued.



d. Aft Orbiter/ET Attach Hardware

Figure 2. - Continued.

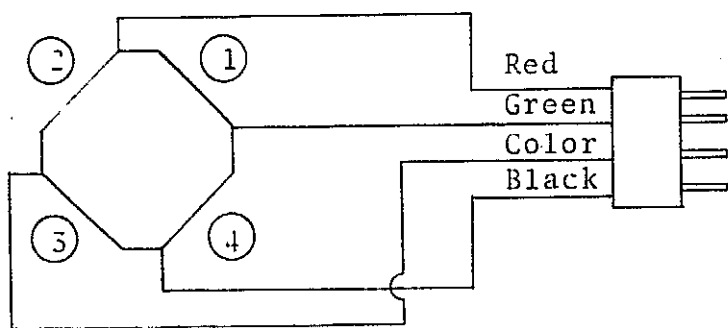
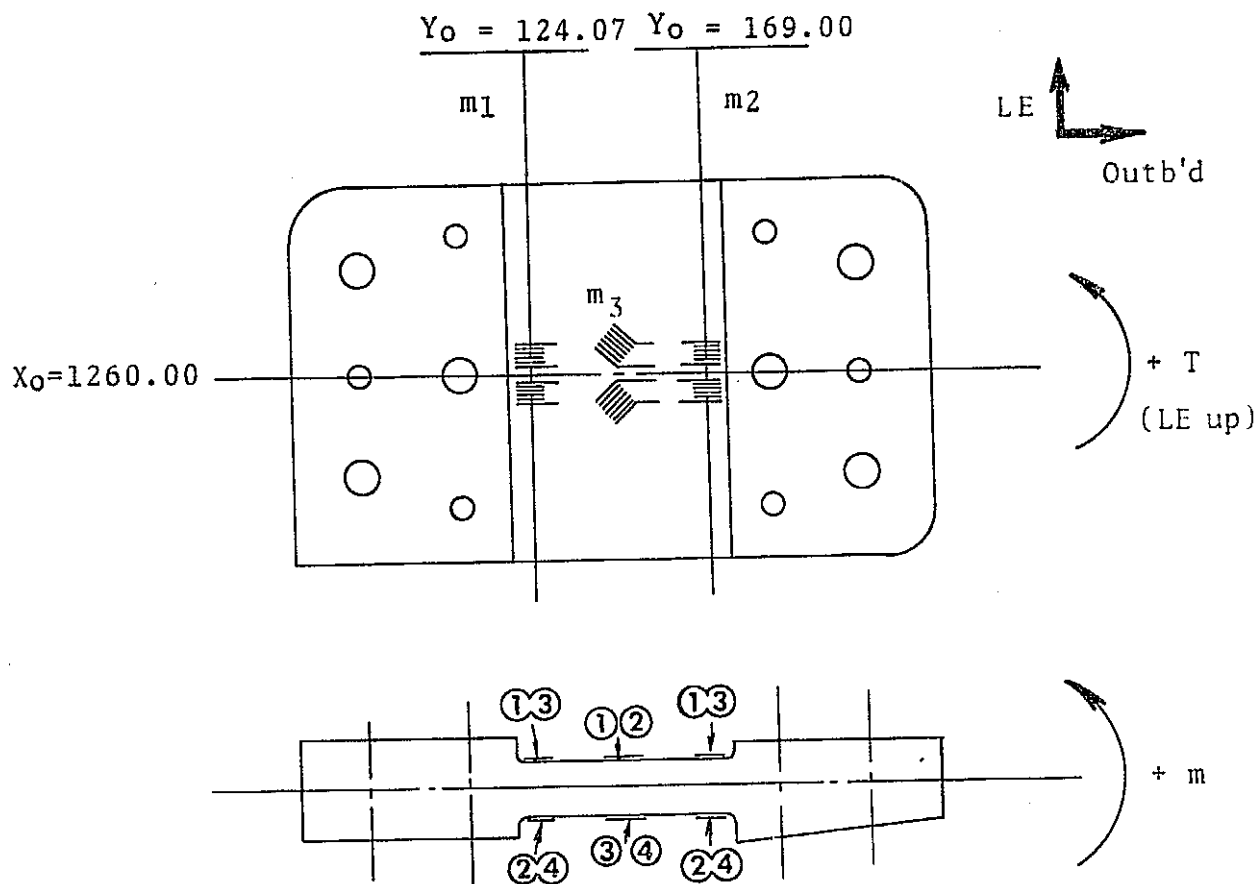


Color Code

Inboard Elevon	Grey
Outboard Elevon	Yellow
Body Flap	Orange

e. Elevon and Bodyflap Hinge Moment Gage

Figure 2. - Continued.



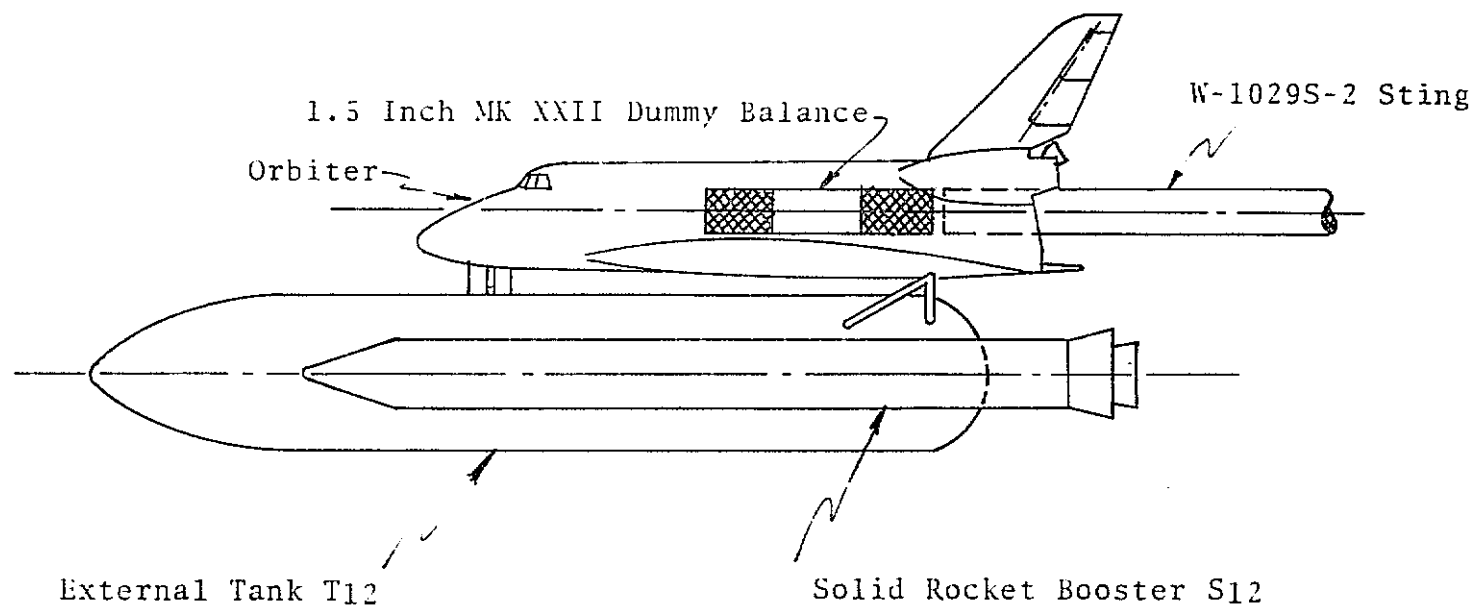
Color Code

m1	Blue
m2	White
m3	Purple

Gage Schematic

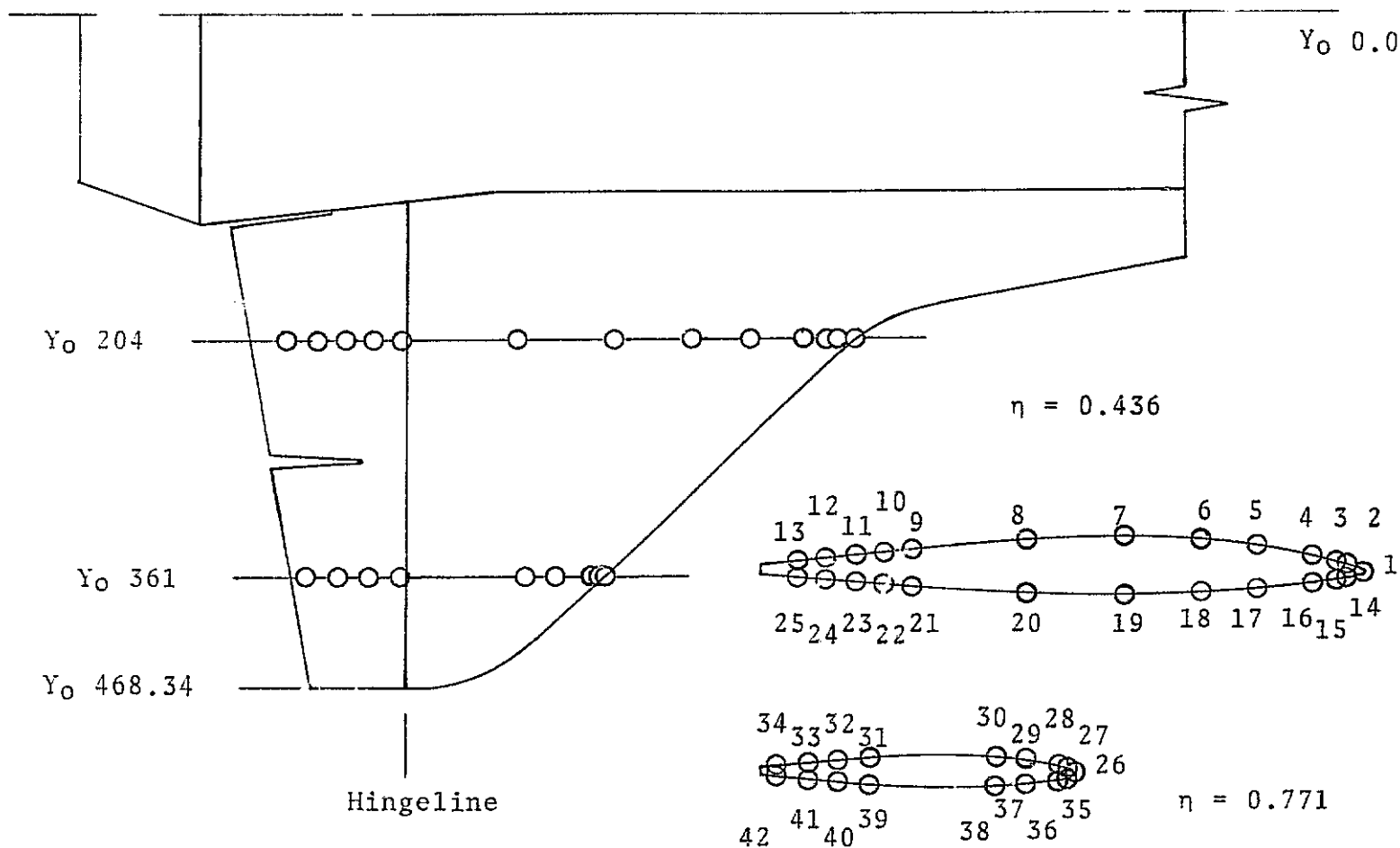
f. Wing Bending And Torsion Gage

Figure 2. - Continued.



g. Installation Sketch

Figure 2. - Continued.

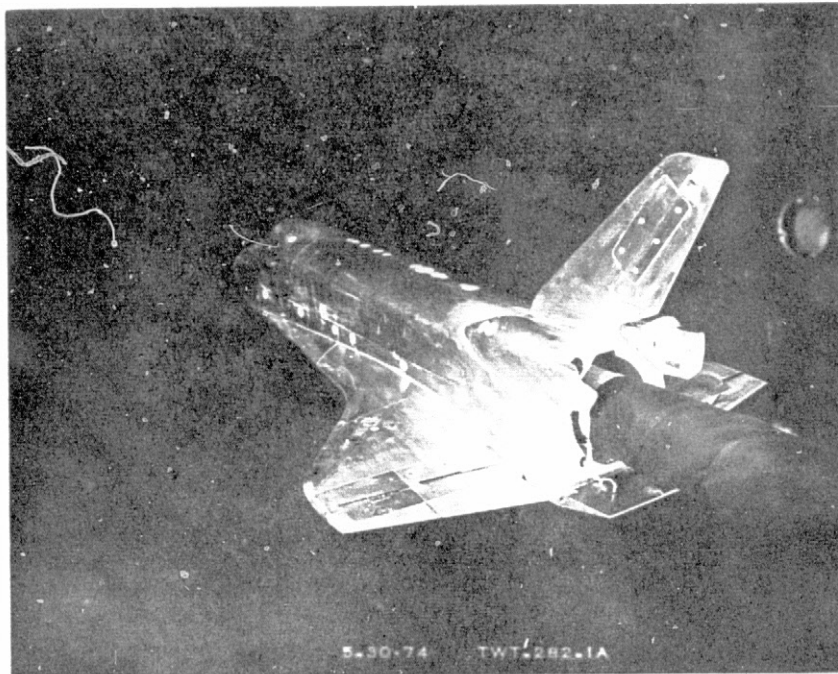


Notes:

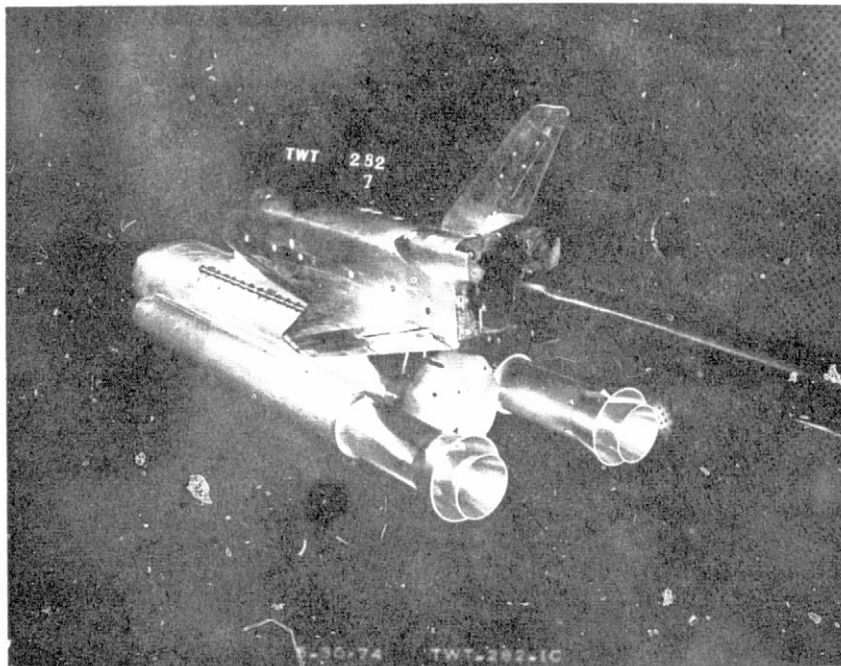
- (1) Full Scale Dimensions
- (2) Pressure Orifices are for Right-Hand Wing
- (3) See Table IV for X/C Locations

h. Orbiter Wing Pressure Tap Locations

Figure 2. - Concluded.

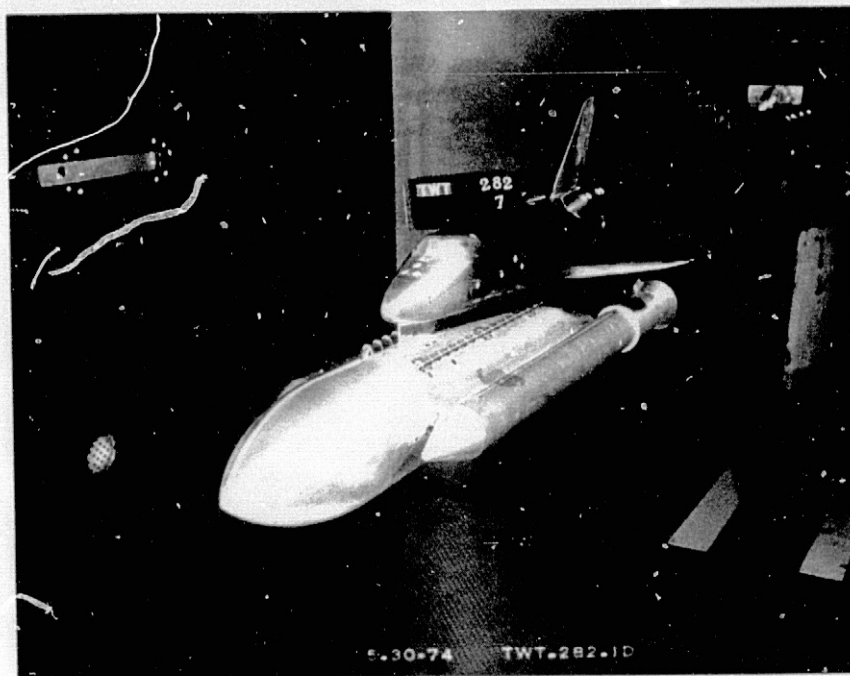


a. Aft View, TWT Installation Orbiter
B26 C9 M7 F7 W11c E7 V8 R15



b. Aft View, TWT Installation Orbiter + Eternal
Tank + Solid Rocket Motors

Figure 3. - Model installation.





c. Front View, TWT Installation Orbiter + External Tank + Solid Rocket Motors

Figure 3. - Concluded.

DATA FIGURES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7001}  1A70 01
{AF7002}  1A70 01T12S1P2F0

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.000	.000	.000	.000	LREF	474.6000 IN.
				BREF	936.7000 IN.
				XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

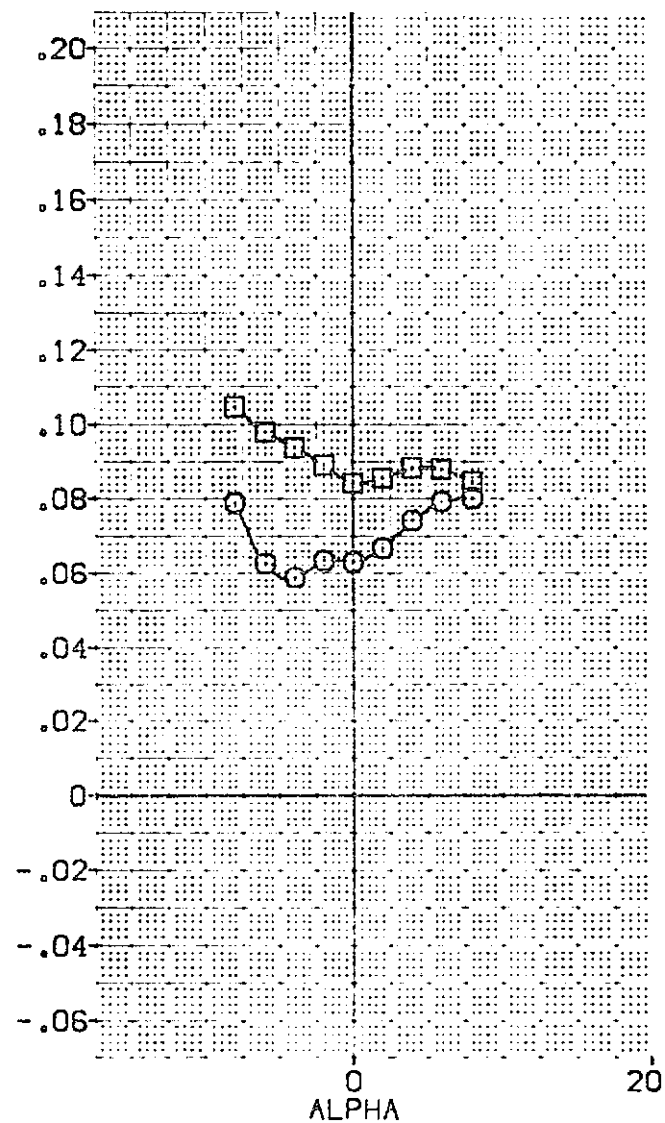
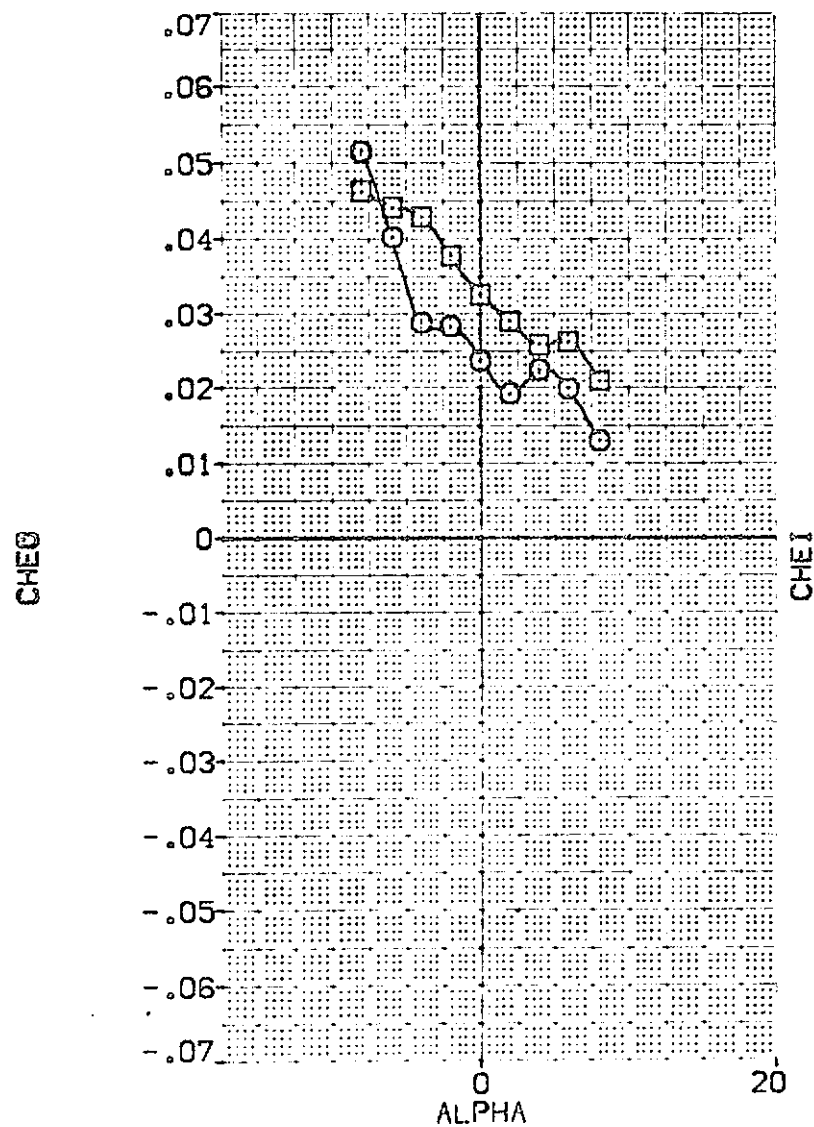


FIG 4 LONGITUDINAL BUILDUP, ELEVON = C
(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {AF7001} ☐ DATA NOT AVAILABLE
 {AF7002} ☐ 1A70 0111251P2P8

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.000	.000	.000	.000	LREF	474.8000	IN.
				BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

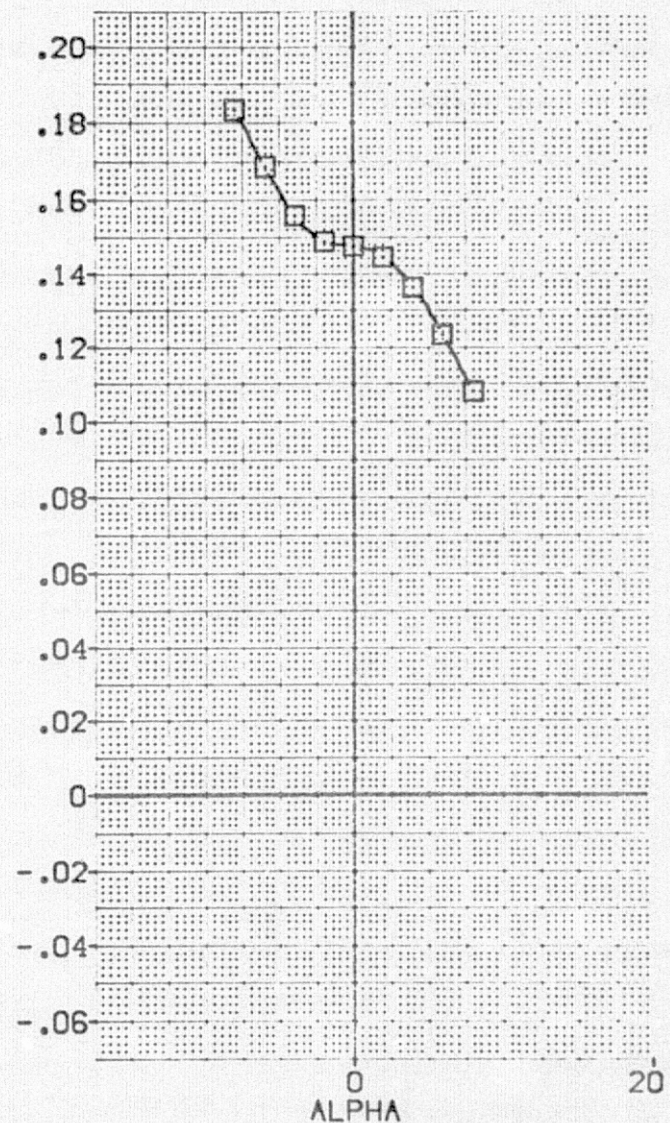
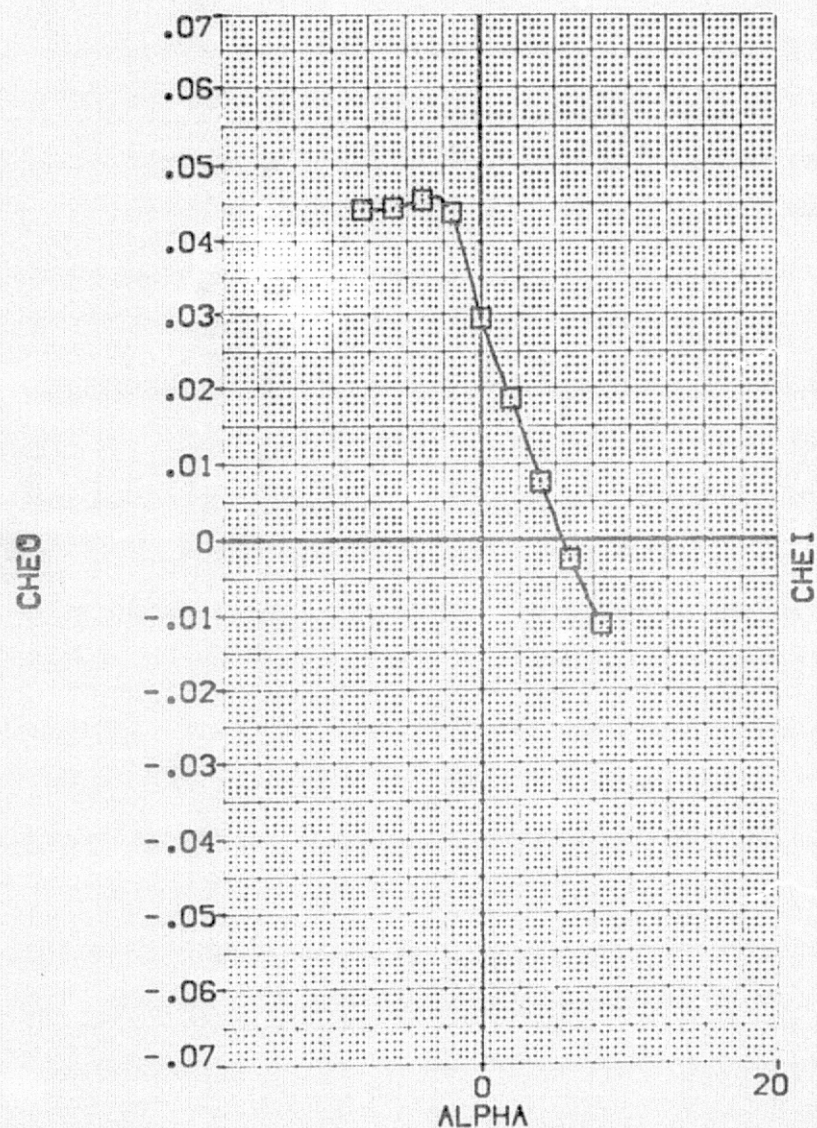


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 {AF7002} □ 1A70 01T12S1P2P8

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.000	.000	.000	.000	LREF	474.8000 IN.
				BREF	936.7000 IN.
				XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

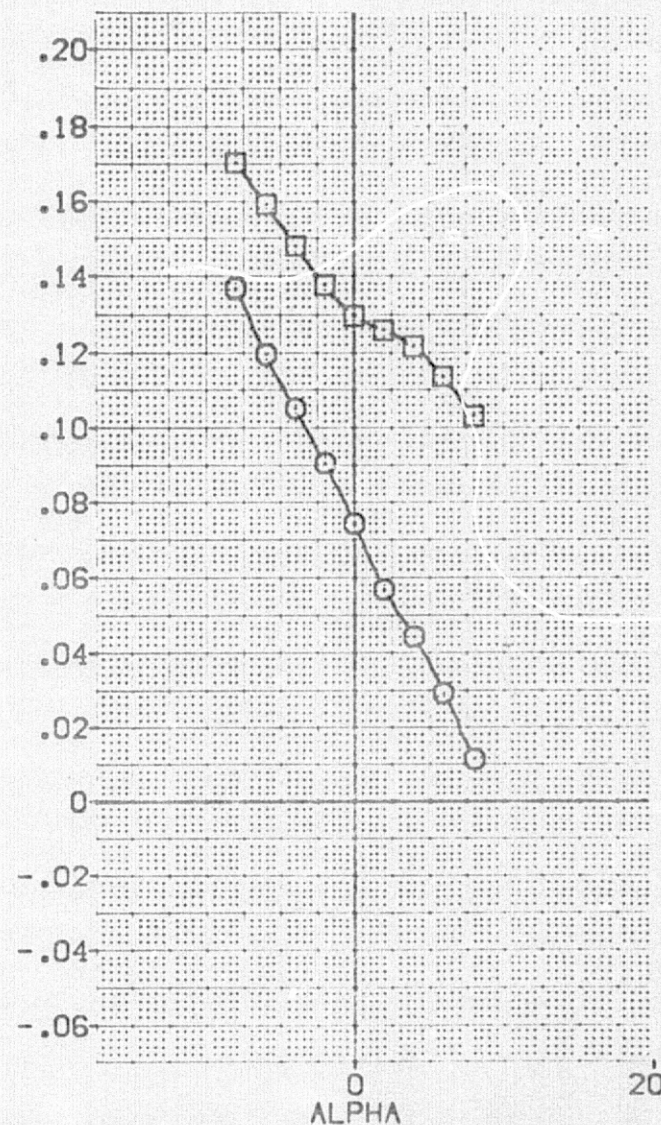
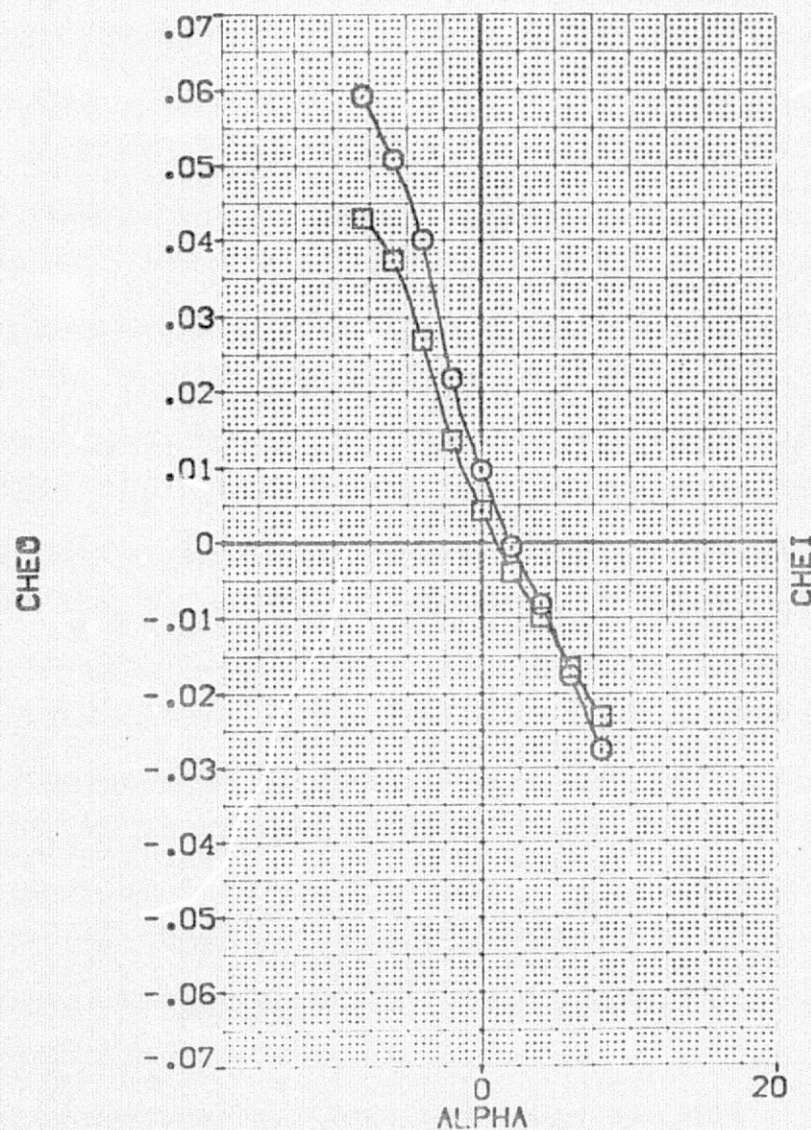


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 [AF7002] □ 1A70 01T12S1P2P8

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.000	.000	.000	.000	LREF	474.8000	IN.
				BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
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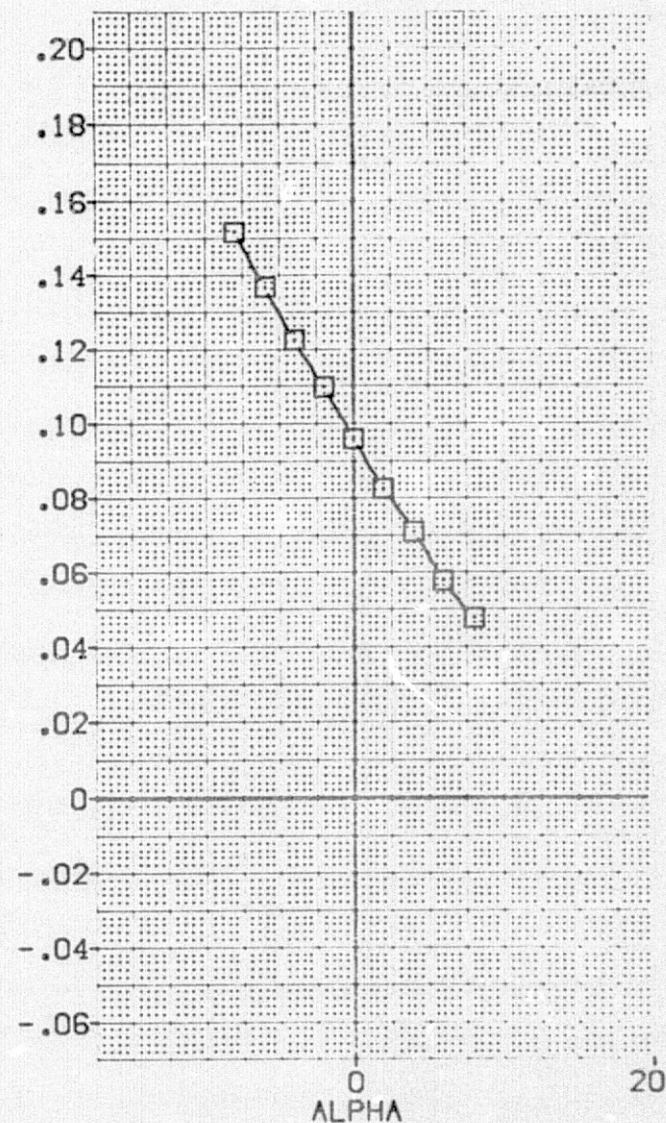
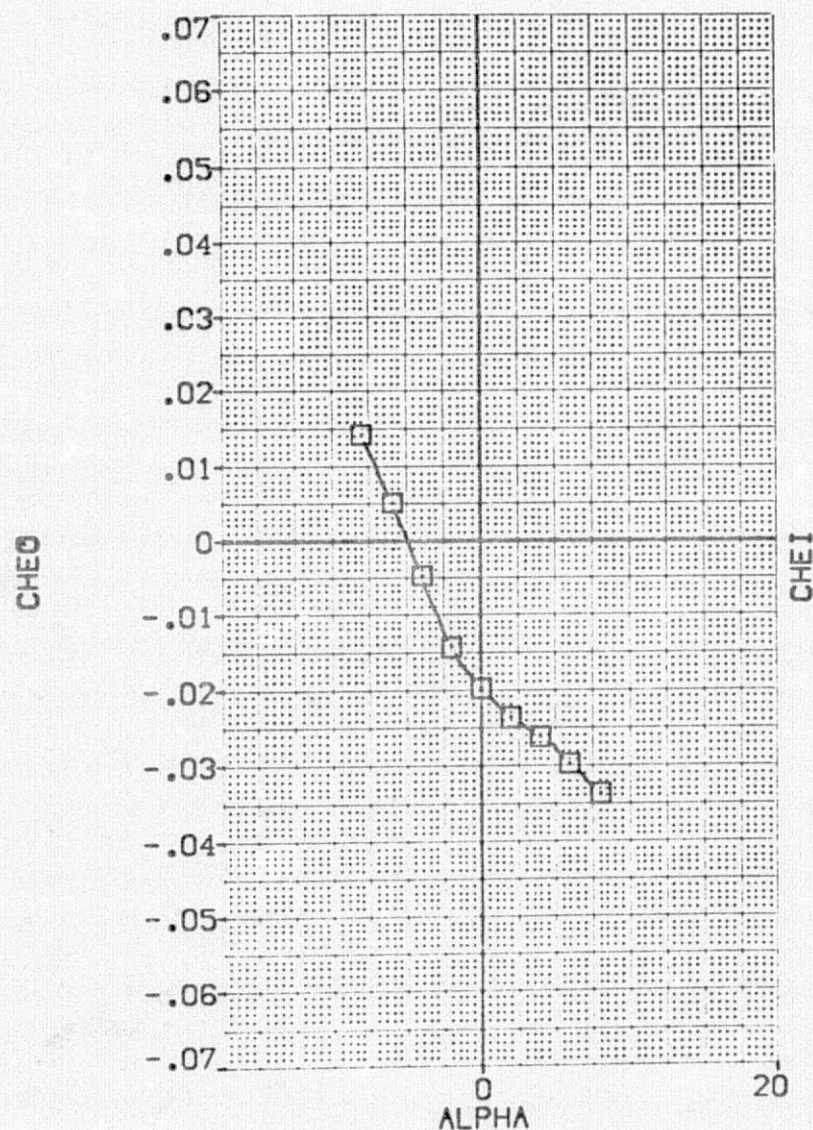


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (D)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7001} □

IA70 01

IA70 01T12S1P2P8

ELV-L1

ELV-L0

BFLAP

BETA

REFERENCE INFORMATION

.000
.000

.000
.000

.000
.000

.000
.000

SREF 2690.0000 SQ.FT.
LREF 474.8000 IN.
BREF 936.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

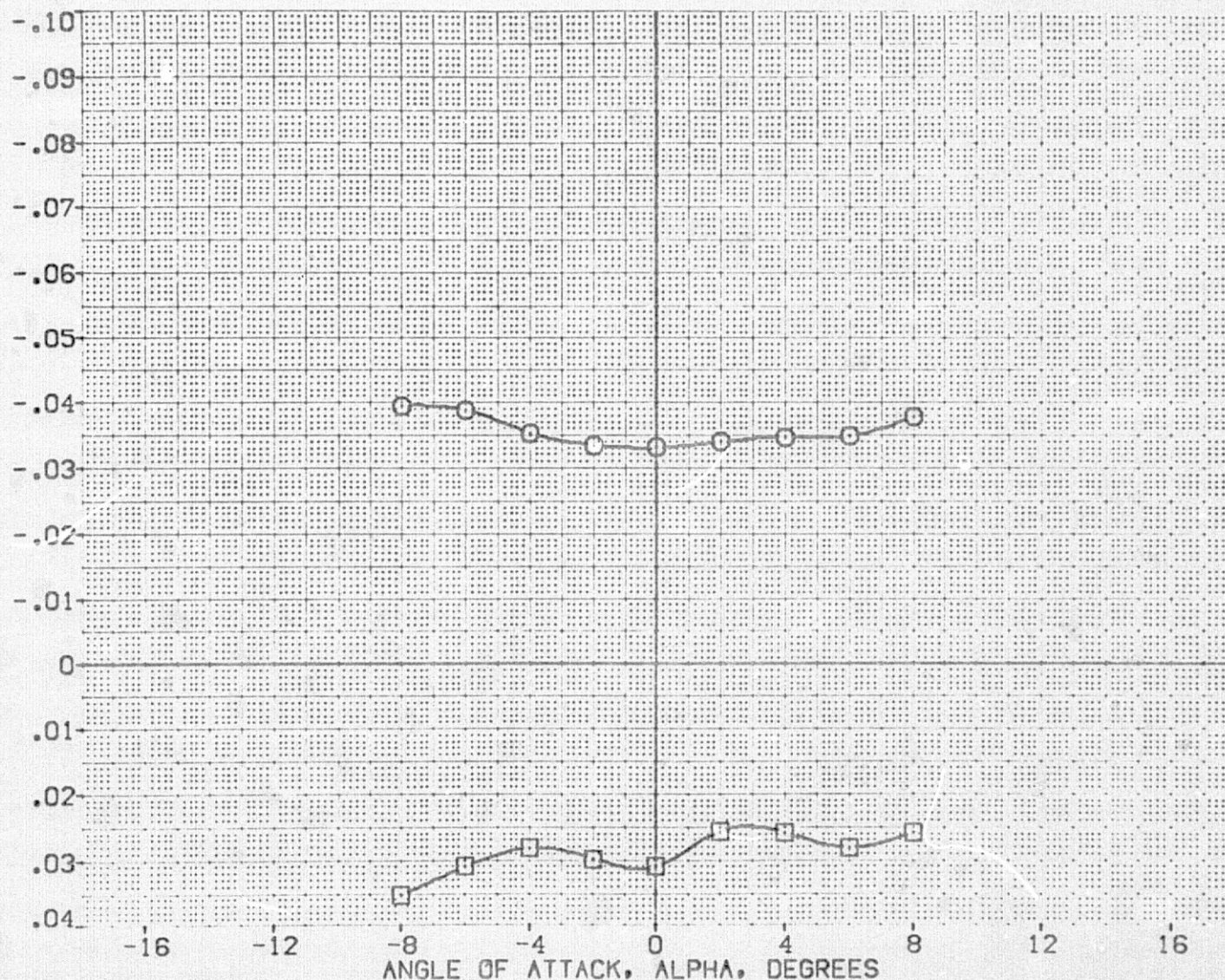


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 {AF7002} 1A70 01T12S1P2P8

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.000	.000	.000	.000	LREF	474.8000	IN.
				BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

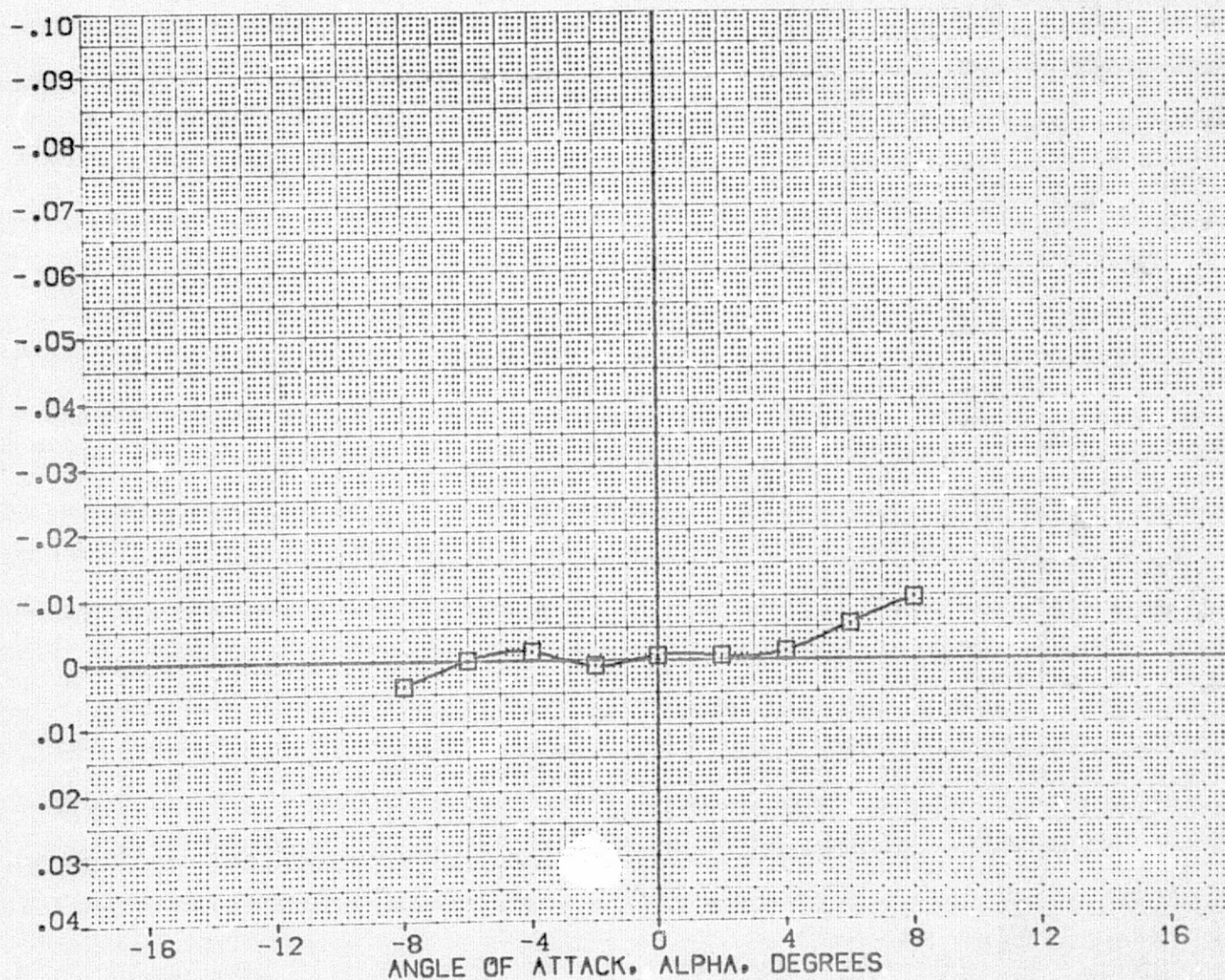


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 {AF7002} 0 1A70 01T12SIP2P0

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 .000 .000 .000 .000
 .000 .000 .000 .000

REFERENCE INFORMATION
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 LREF 474.8000 IN.
 BREF 936.7000 IN.
 XMRP .0000 IN. XT
 YMRP .0000 IN. YT
 ZMRP .0000 IN. ZT
 SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

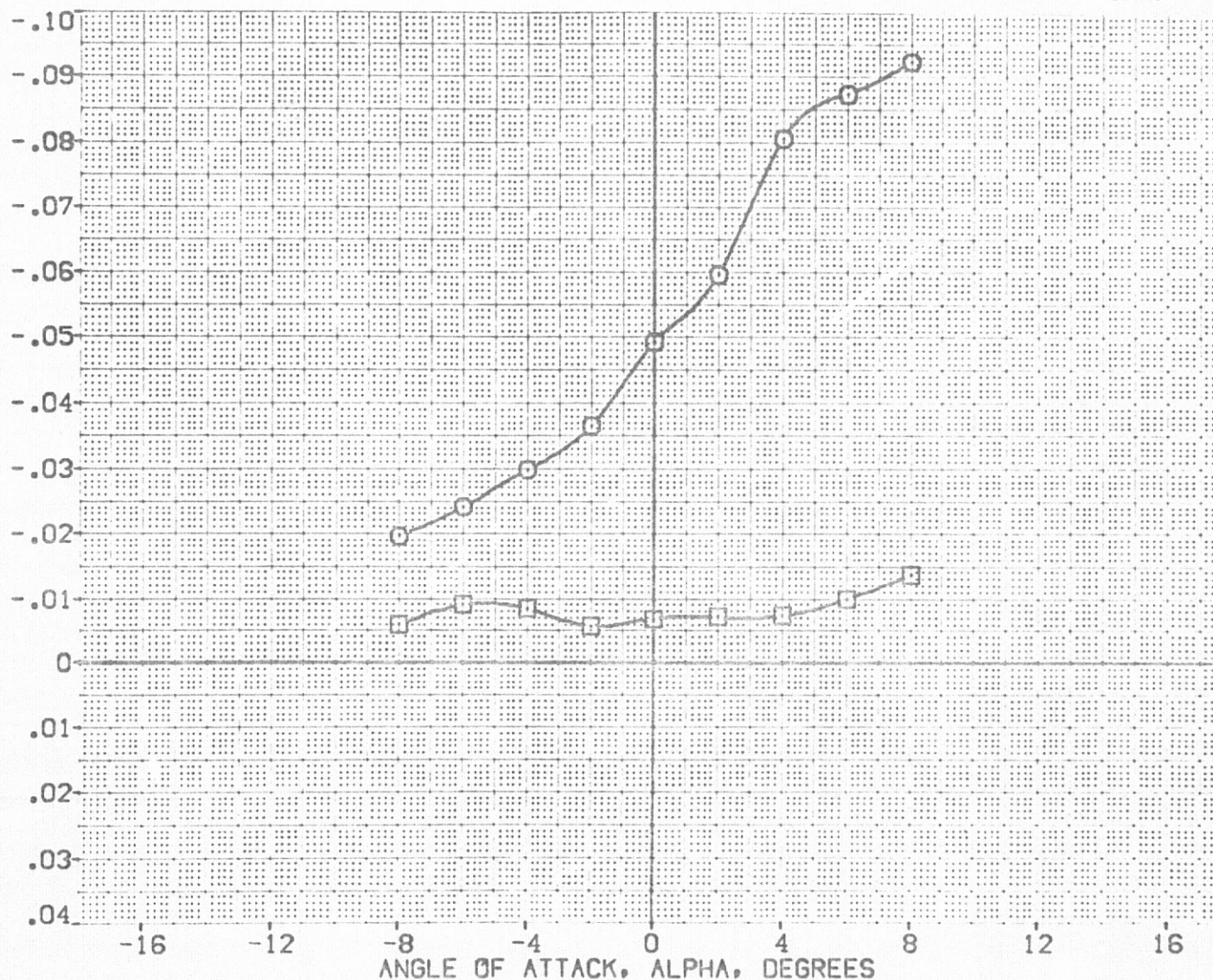


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 [AF7002] 1A70 G112SIP23

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				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

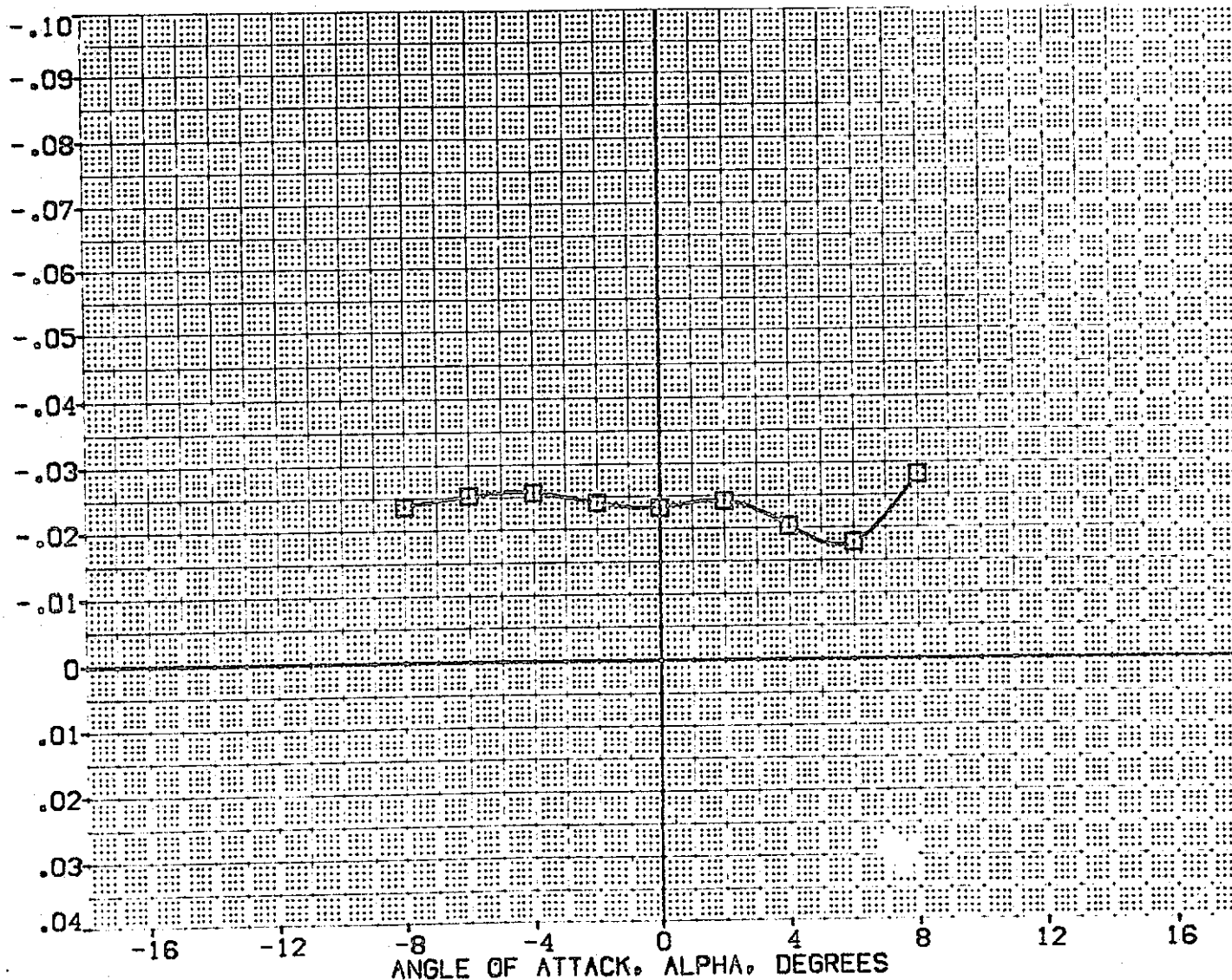


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (CD)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [AF7001] 8 1A70 01
 [AF7002] 8 1A70 01T1231F230

ELV-L1	ELV-L2	ELAP	ETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2350.0000	50.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
				EREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

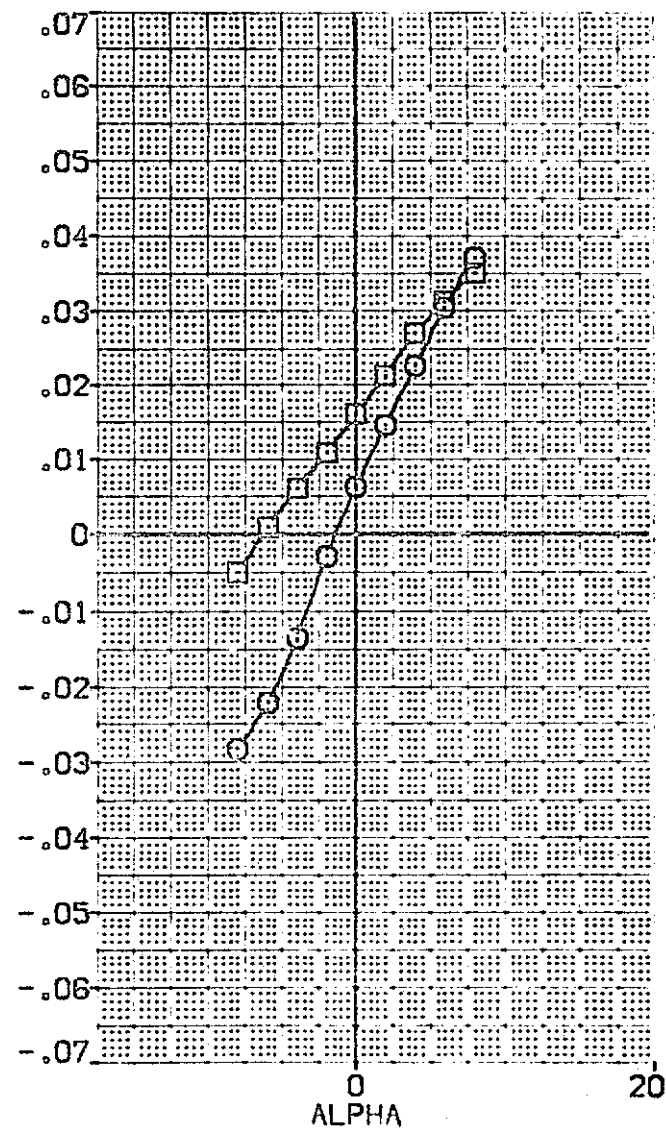
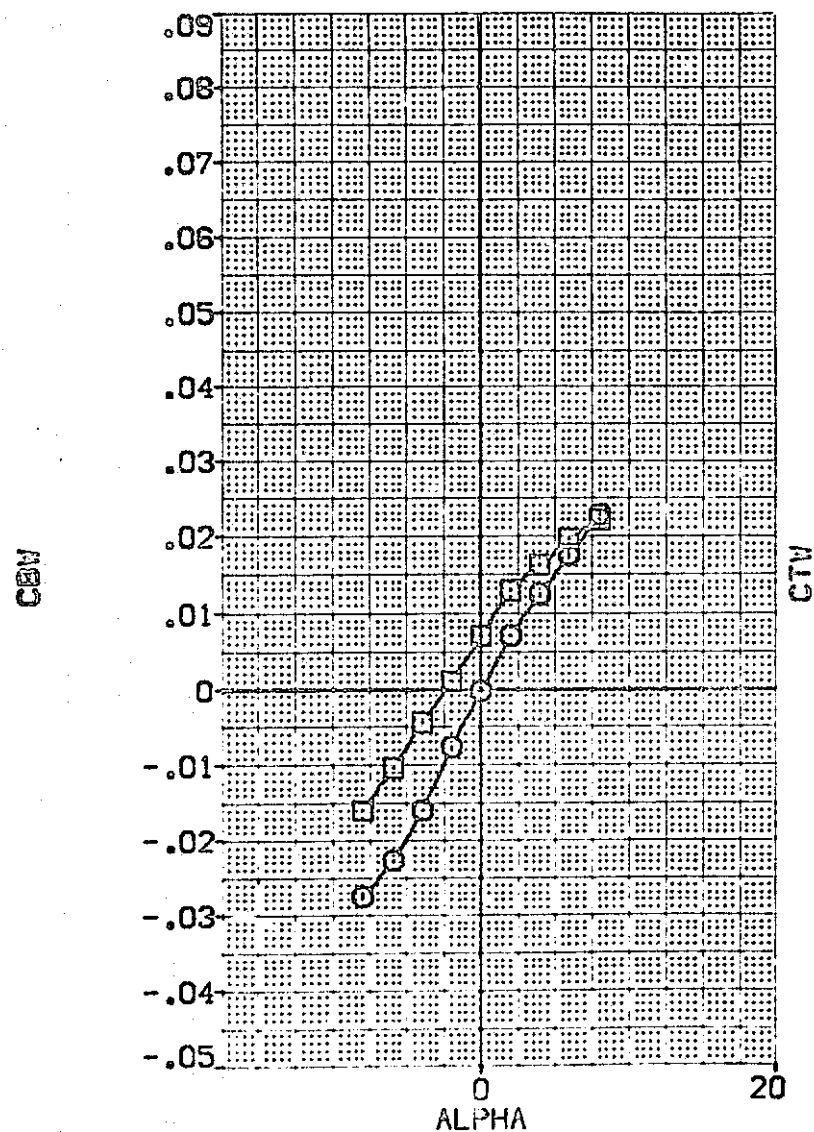


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (A) MACH = .90

DATA SET SWGCL CONFIGURATION DESCRIPTION
 [AF7001] DATA NOT AVAILABLE
 [AF7002] DATA NOT AVAILABLE

ELV-LI	ELV-LB	FLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2650.0000	50. FT.
.000	.000	.000	.000	LREF	474.8000	IN.
				SREF	933.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

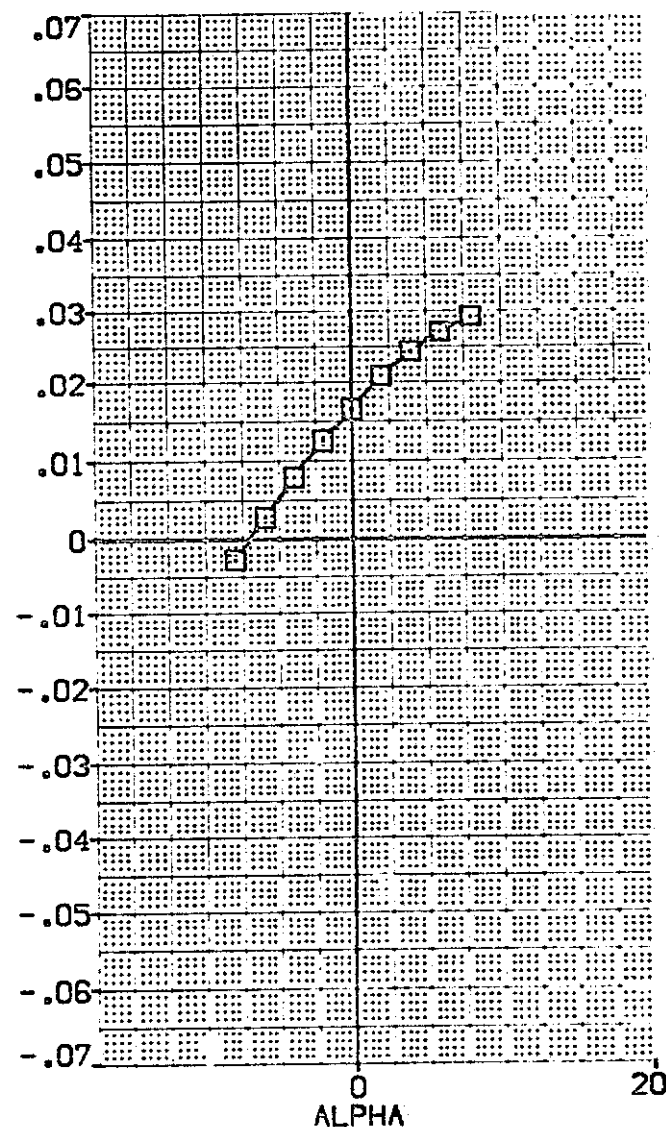
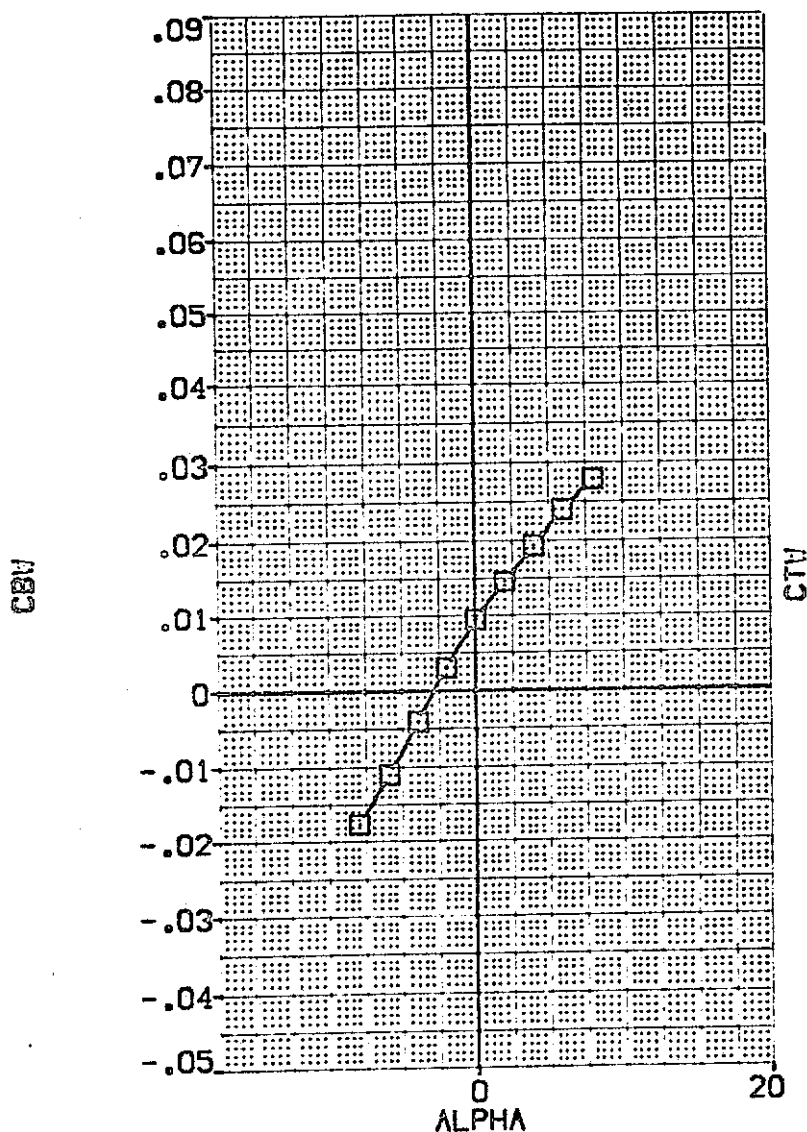


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AF7001) ☐ 1A70 01
 (AF7002) ☐ 1A70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2890.0000	99.FT.
.000	.000	.000	.000	LREF	474.8000	IN.
				BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

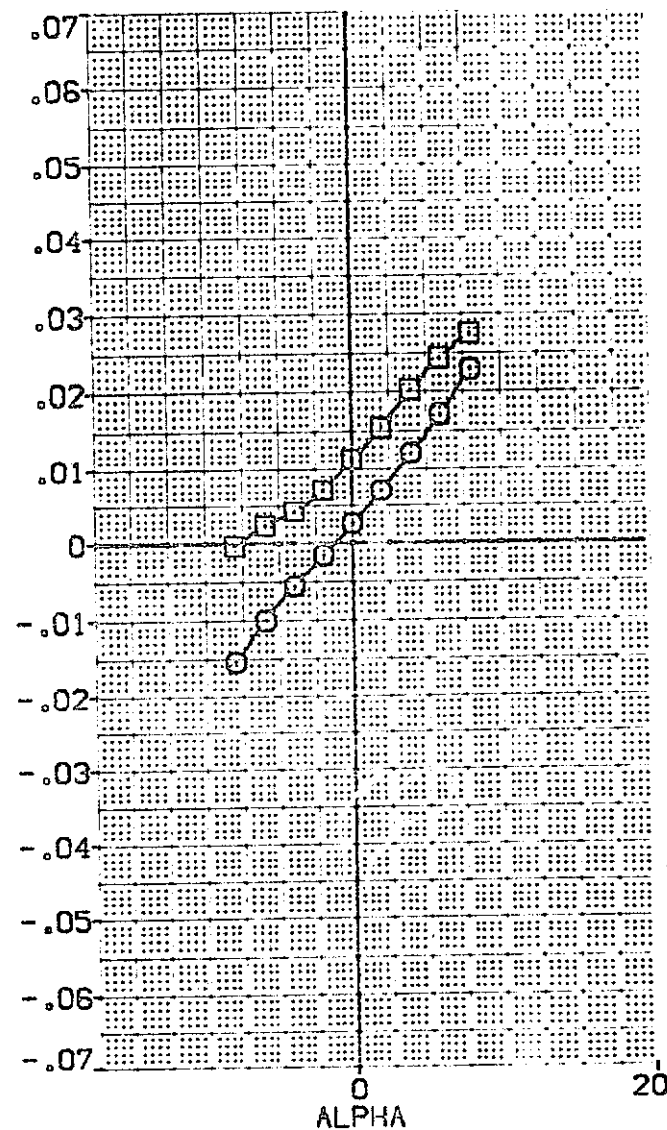
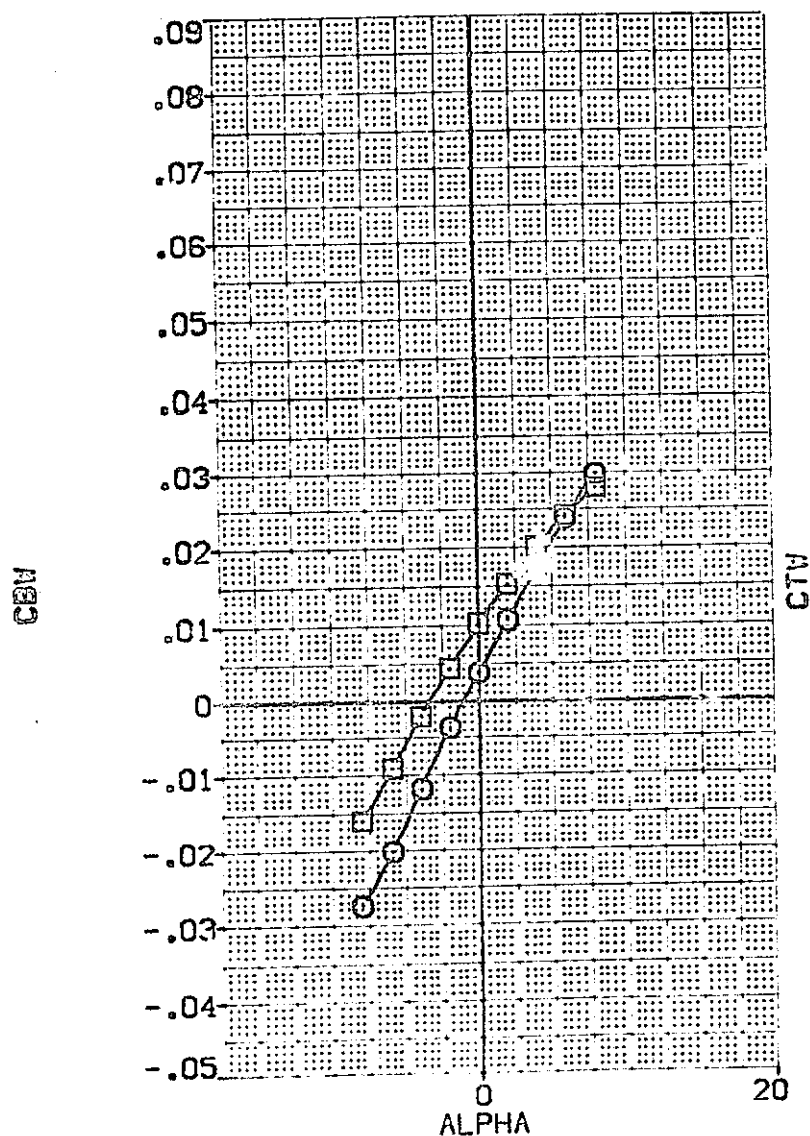


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (C)MACH = 1.24

DATA SET SYGOL CONFIGURATION DESCRIPTION
 [AF7001] DATA NOT AVAILABLE
 [AF7002] 1A70 01T12SIP2F3

ELV-L1	ELV-L8	ELAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2680.0000	SG.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
				BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

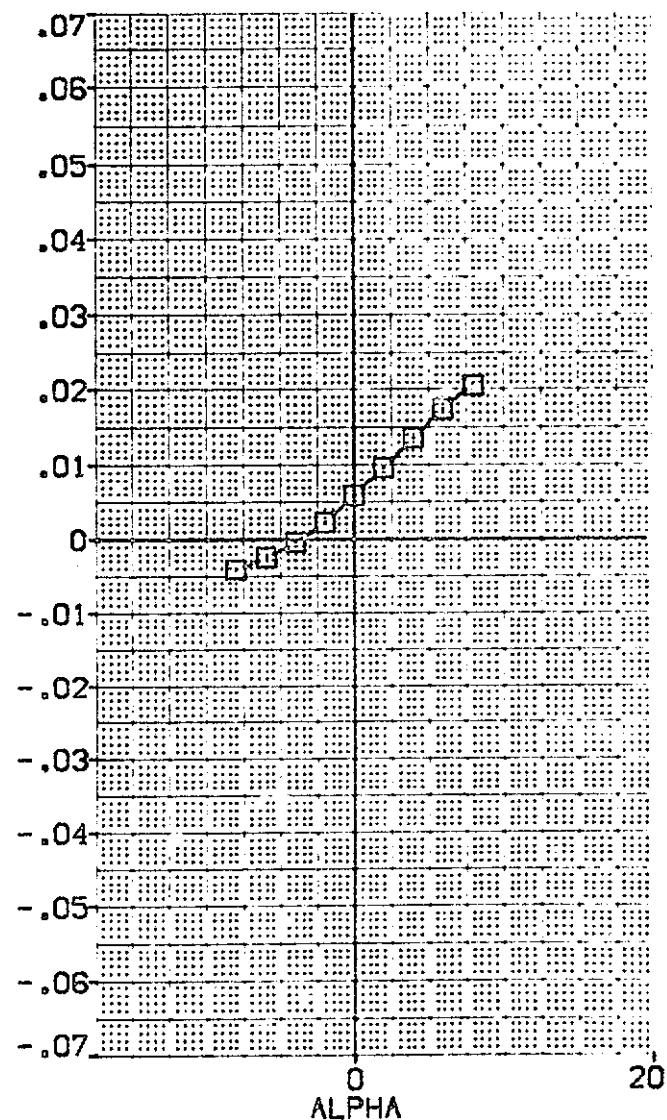
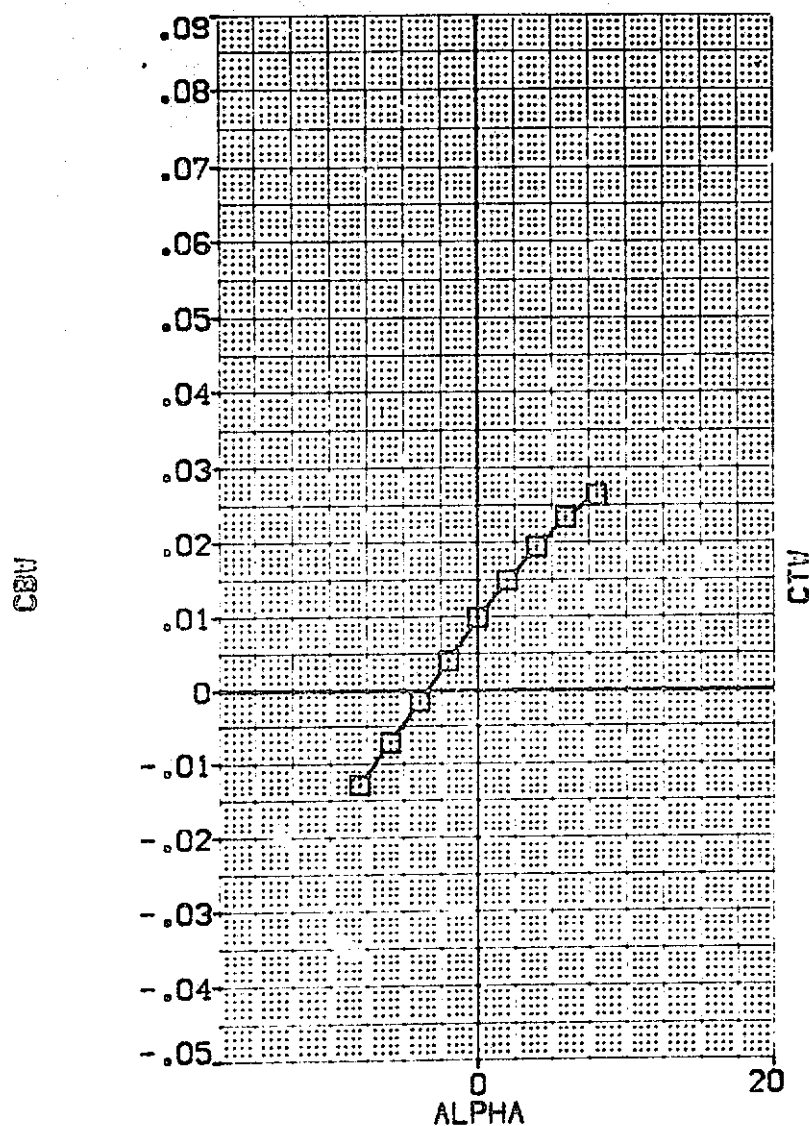


FIG 4 LONGITUDINAL BUILDUP, ELEVON = 0
 (D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7002]	1A70 01T12S1P2F3
[AF7003]	1A70 01T12S1P2F3
[AF7004]	1A70 01T12S1P2F3
[AF7005]	1A70 01T12S1P2F3

ELV-L1	ELV-L8	EFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	938.7000	IN.
12.000	.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

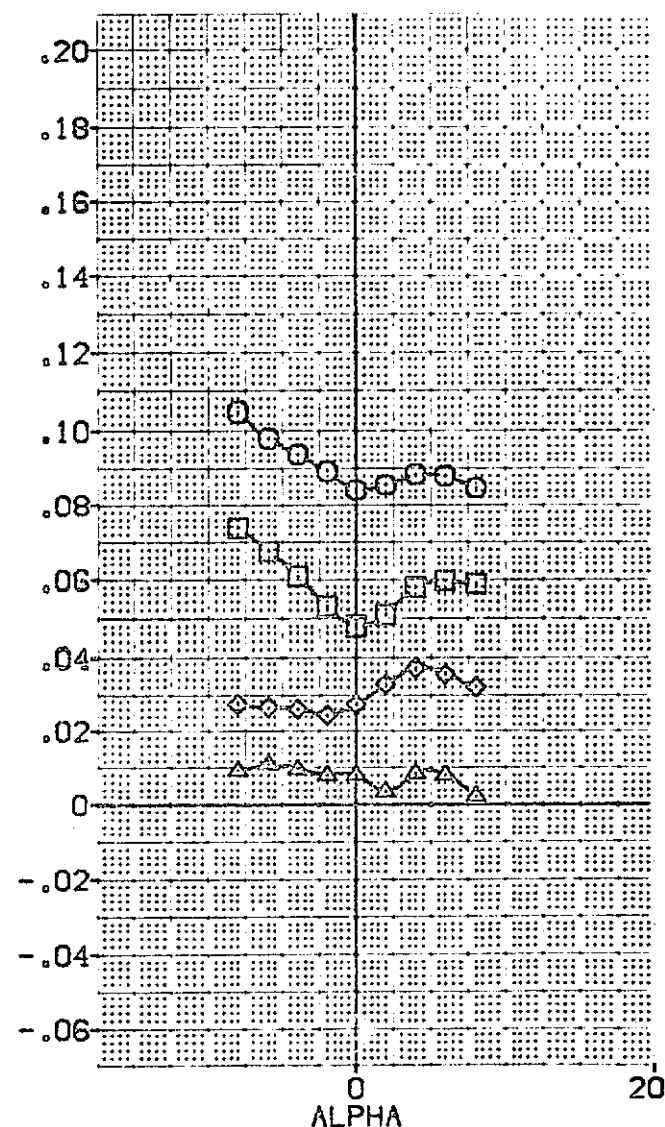
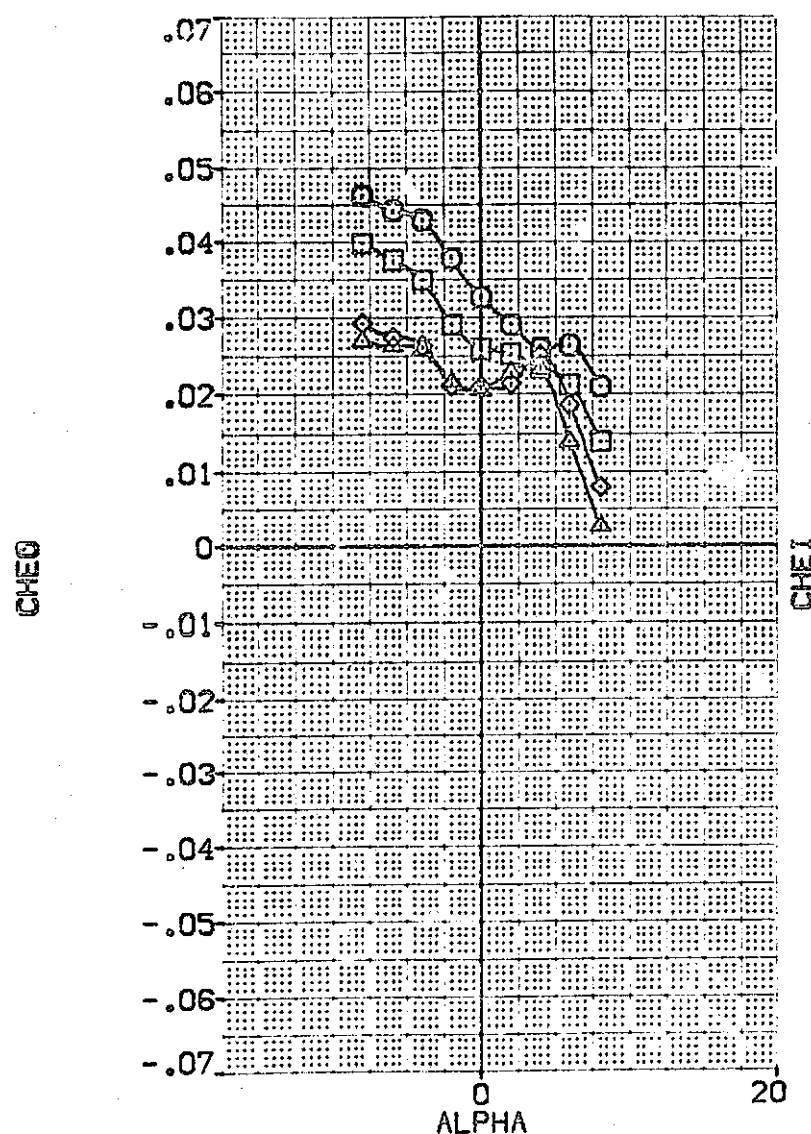


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7002]	IA70 01T12S1P2F3
[AF7003]	IA70 01T12S1P2F3
[AF7004]	IA70 01T12S1P2F3
[AF7005]	IA70 01T12S1P2F3

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION
.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
4.000	.000	.000	.000	LREF 474.8000 IN.
8.000	.000	.000	.000	BREF 936.7000 IN.
12.000	.000	.000	.000	XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

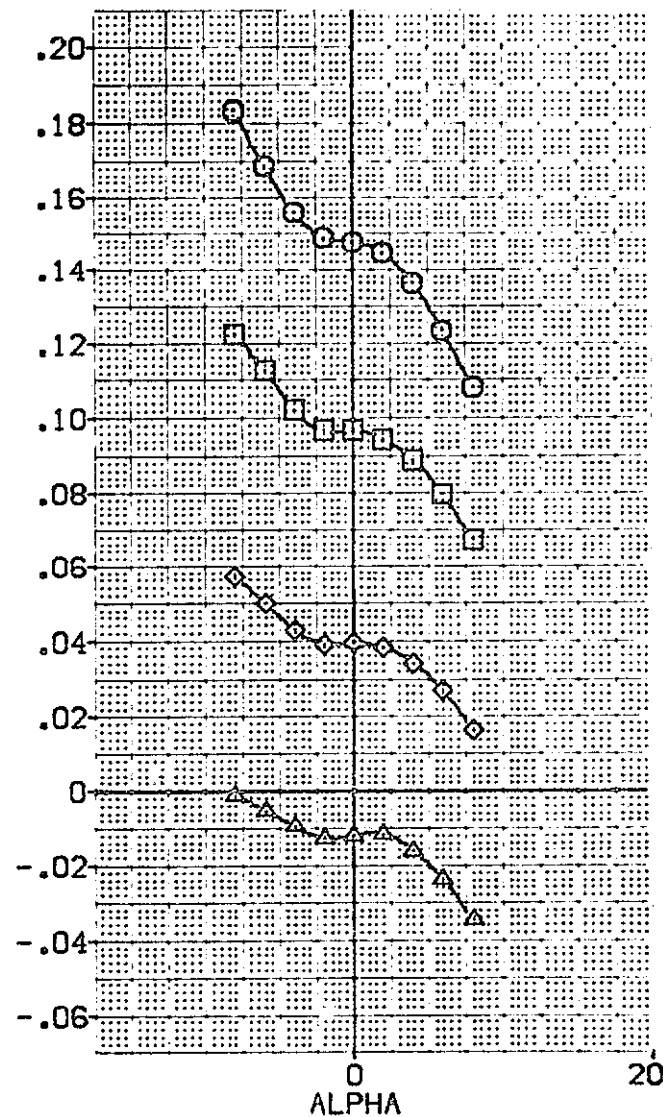
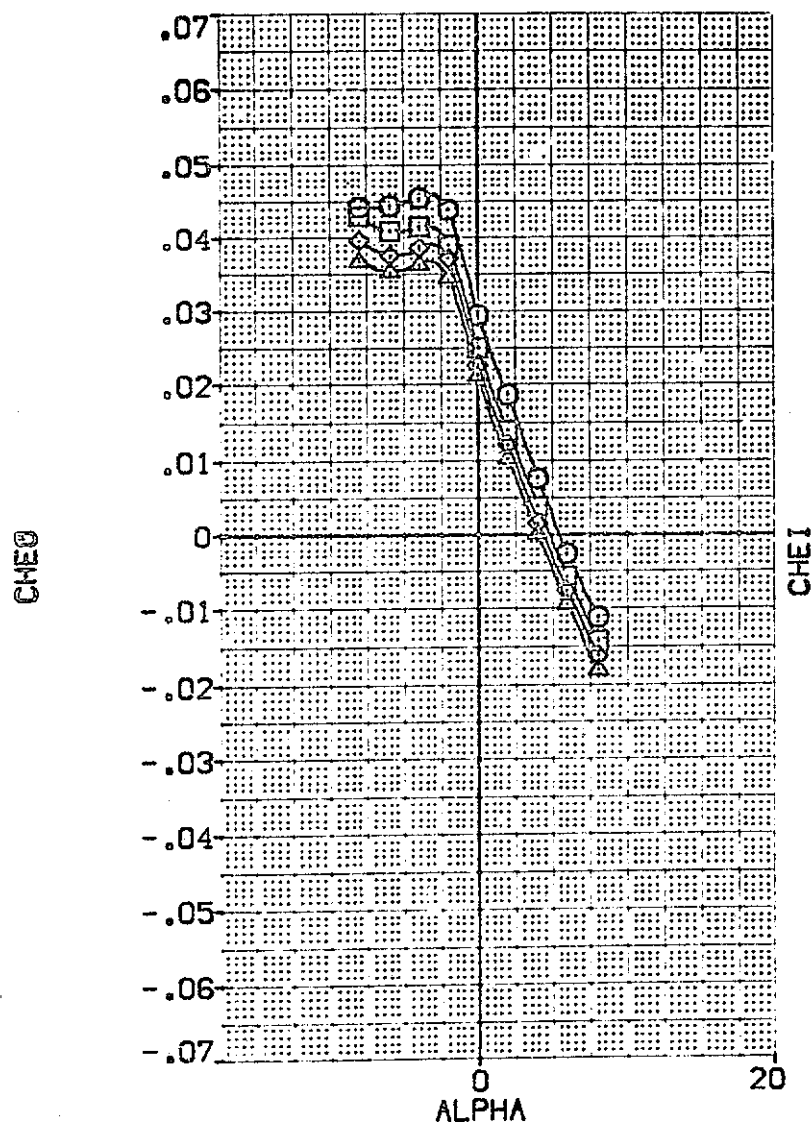


FIG 5 ELEVON EFFECTIVENESS, 0TBD ELEVON = 0
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7002}	IA70 01T12SIP2F8
{AF7003}	IA70 01T12SIP2F8
{AF7004}	IA70 01T12SIP2F8
{AF7005}	IA70 01T12SIP2F8

ELV-LI	ELV-LB	ELAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	936.7000	IN.
12.000	.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

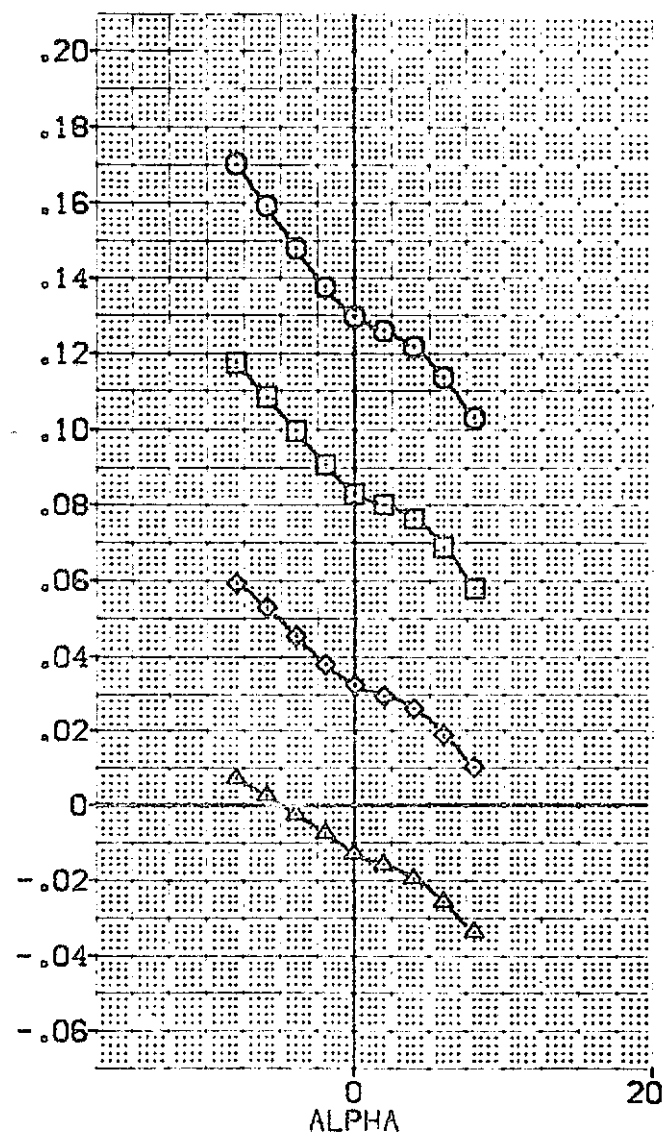
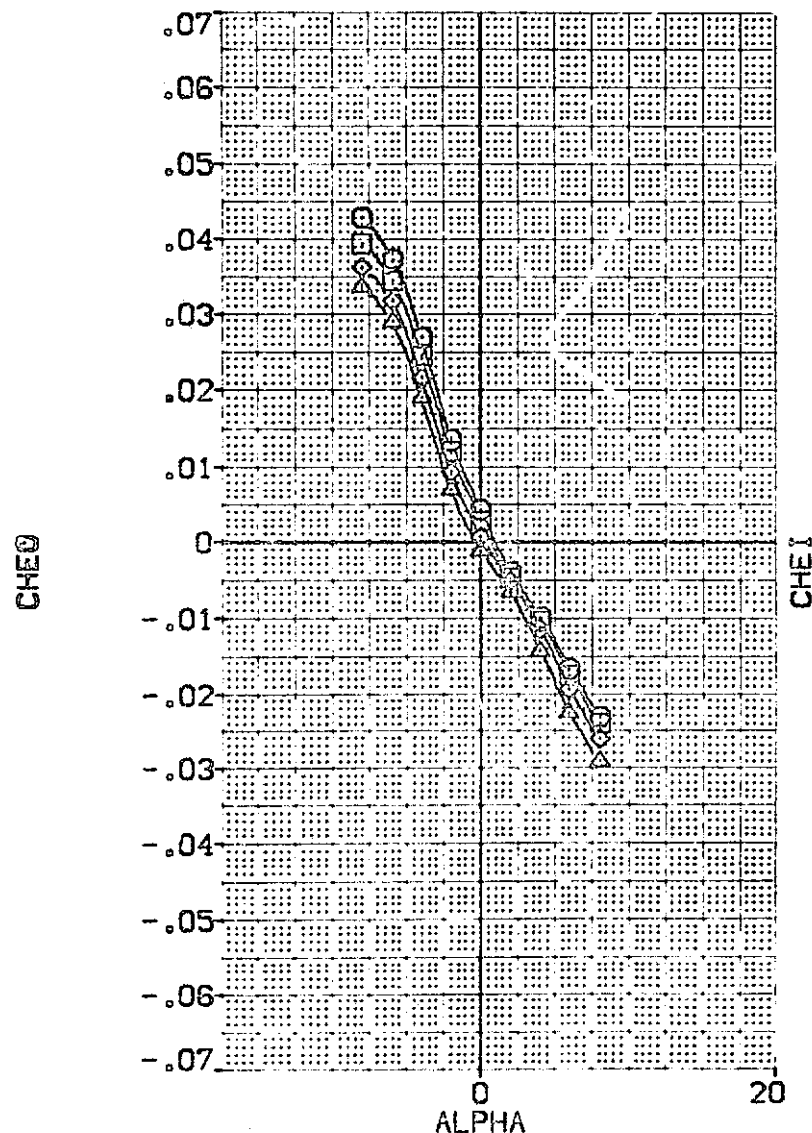


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7002)	1A70 01T12S1P2F3
(AF7003)	1A70 01T12S1P2F3
(AF7004)	1A70 01T12S1P2F3
(AF7005)	1A70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2650.0000	SQ.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	936.7000	IN.
12.000	.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

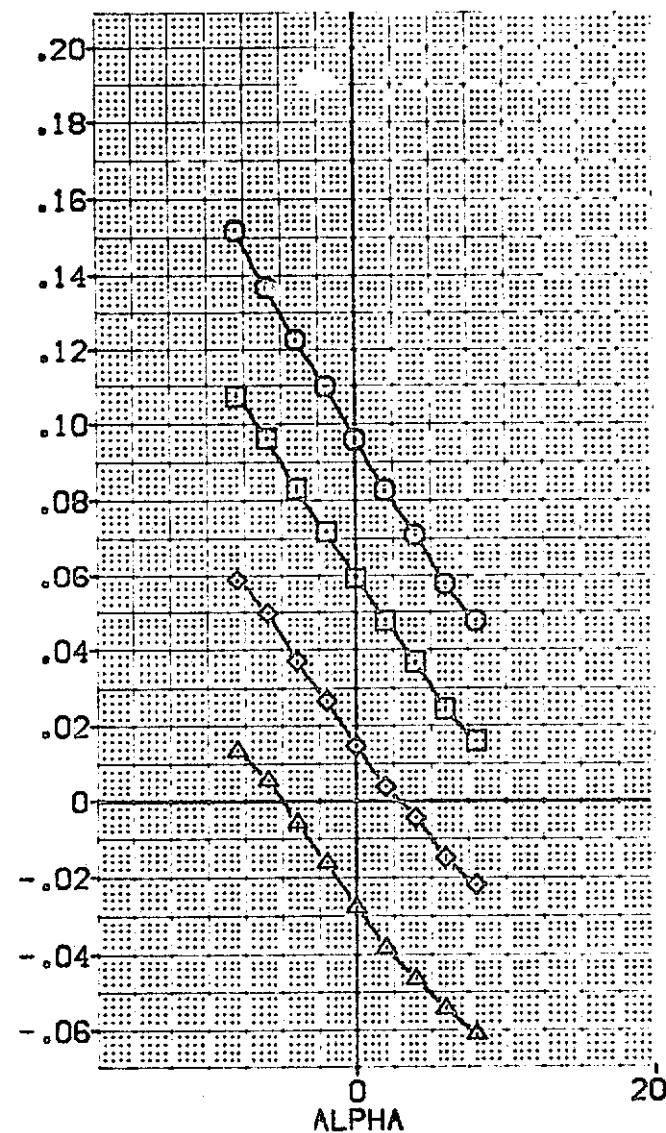
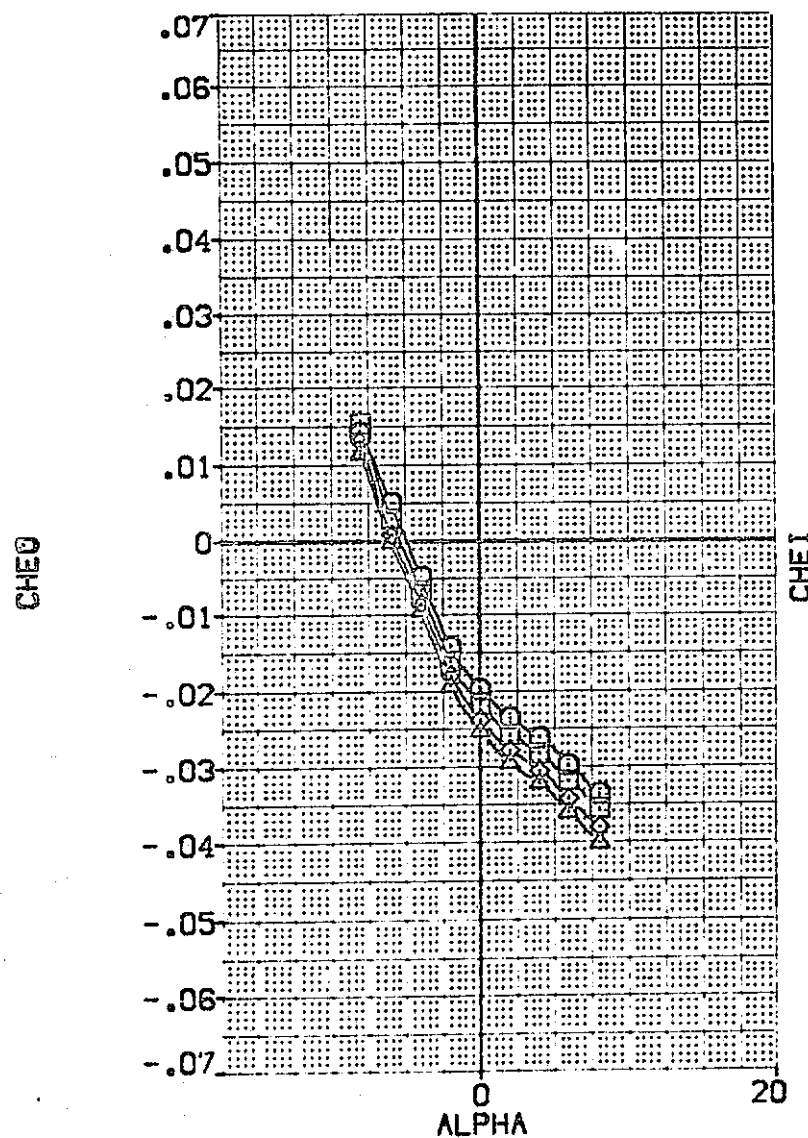


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7002}	○ 1A70 01T12S1P2F0
{AF7003}	□ 1A70 01T12S1P2F0
{AF7004}	◇ 1A70 01T12S1P2F0
{AF7005}	△ 1A70 01T12S1P2F0

ELV-L1	ELV-L6	EFLAP	BETA	REFERENCE INFORMATION
.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
4.000	.000	.000	.000	LREF 474.8000 IN.
8.000	.000	.000	.000	BREF 936.7000 IN.
12.000	.000	.000	.000	XMRF .0000 IN. XT
				YMRF .0000 IN. YT
				ZMRF .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

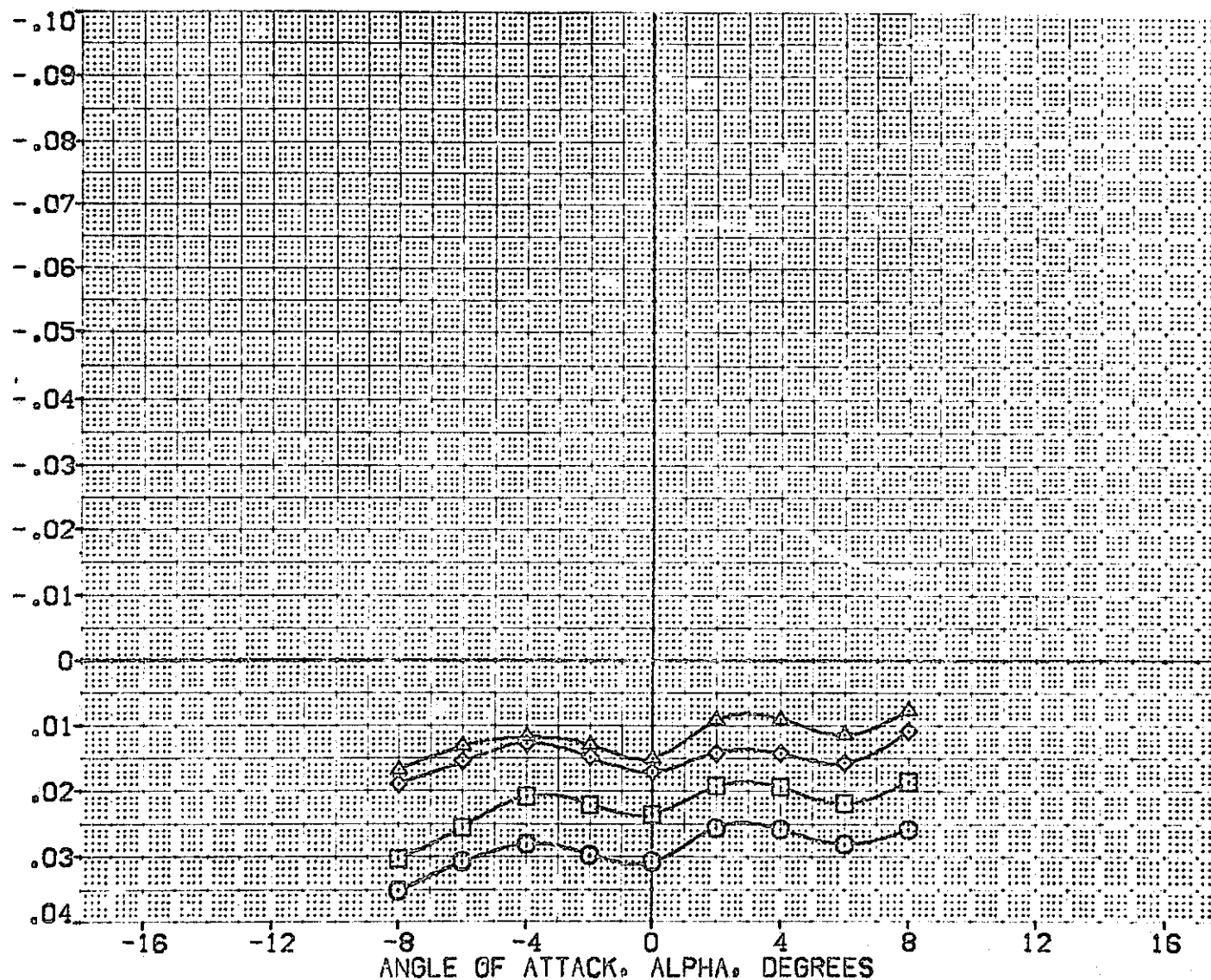


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7002)	1A70 01T12S1P2F3
(AF7003)	1A70 01T12S1P2F3
(AF7004)	1A70 01T12S1P2F3
(AF7005)	1A70 01T12S1P2F3

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2650.0000	50.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	SREF	935.7000	IN.
12.000	.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				F. ALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

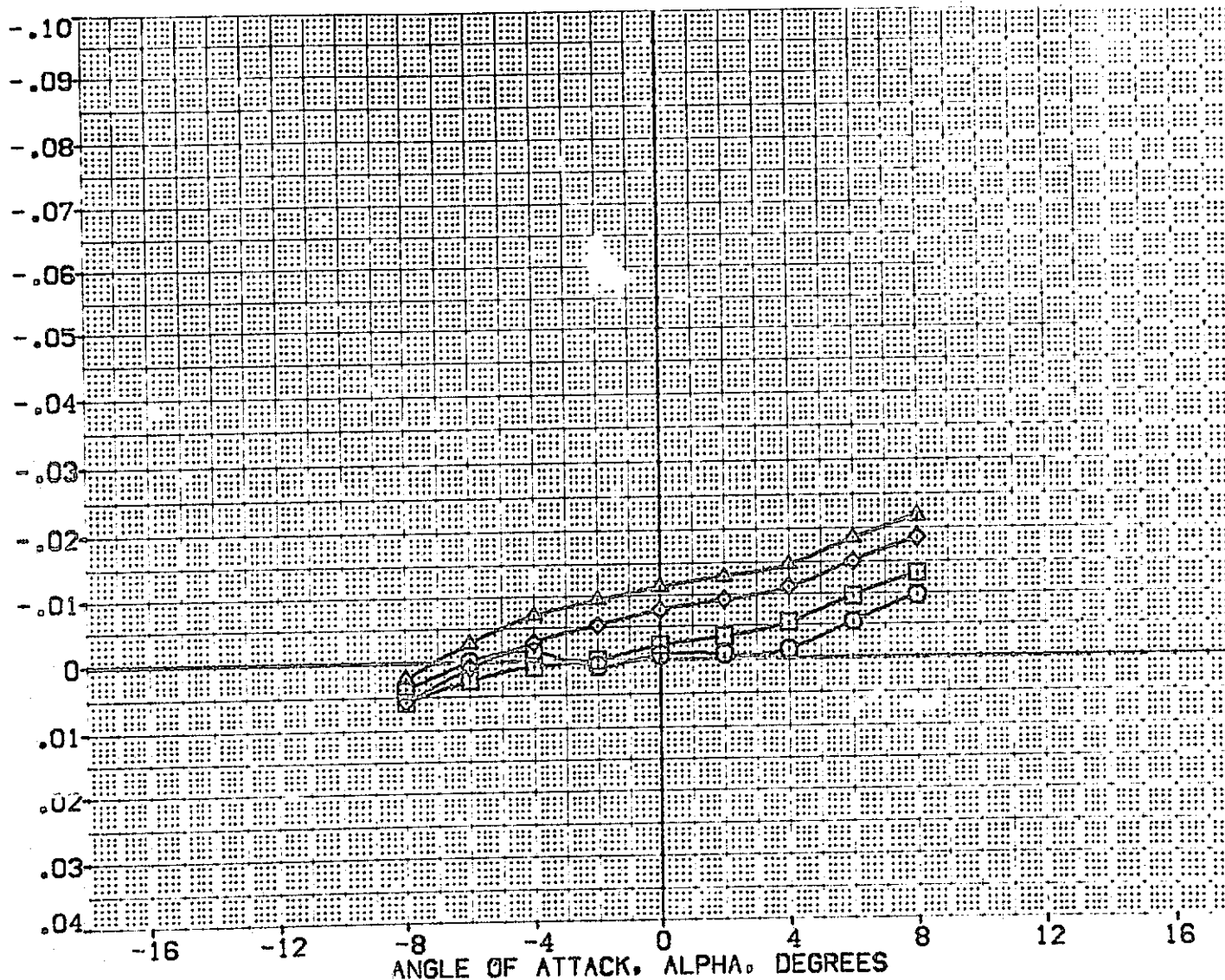


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7002]	1A70 01T12SIP2F0
[AF7003]	1A70 01T12SIP2F0
[AF7004]	1A70 01T12SIP2F0
[AF7005]	1A70 01T12SIP2F0

ELV-L1	ELV-L0	EFLAP	SETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2660.0000 SQ.FT.
4.000	.000	.000	.000	LREF	474.8000 IN.
8.000	.000	.000	.000	BREF	936.7000 IN.
12.000	.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

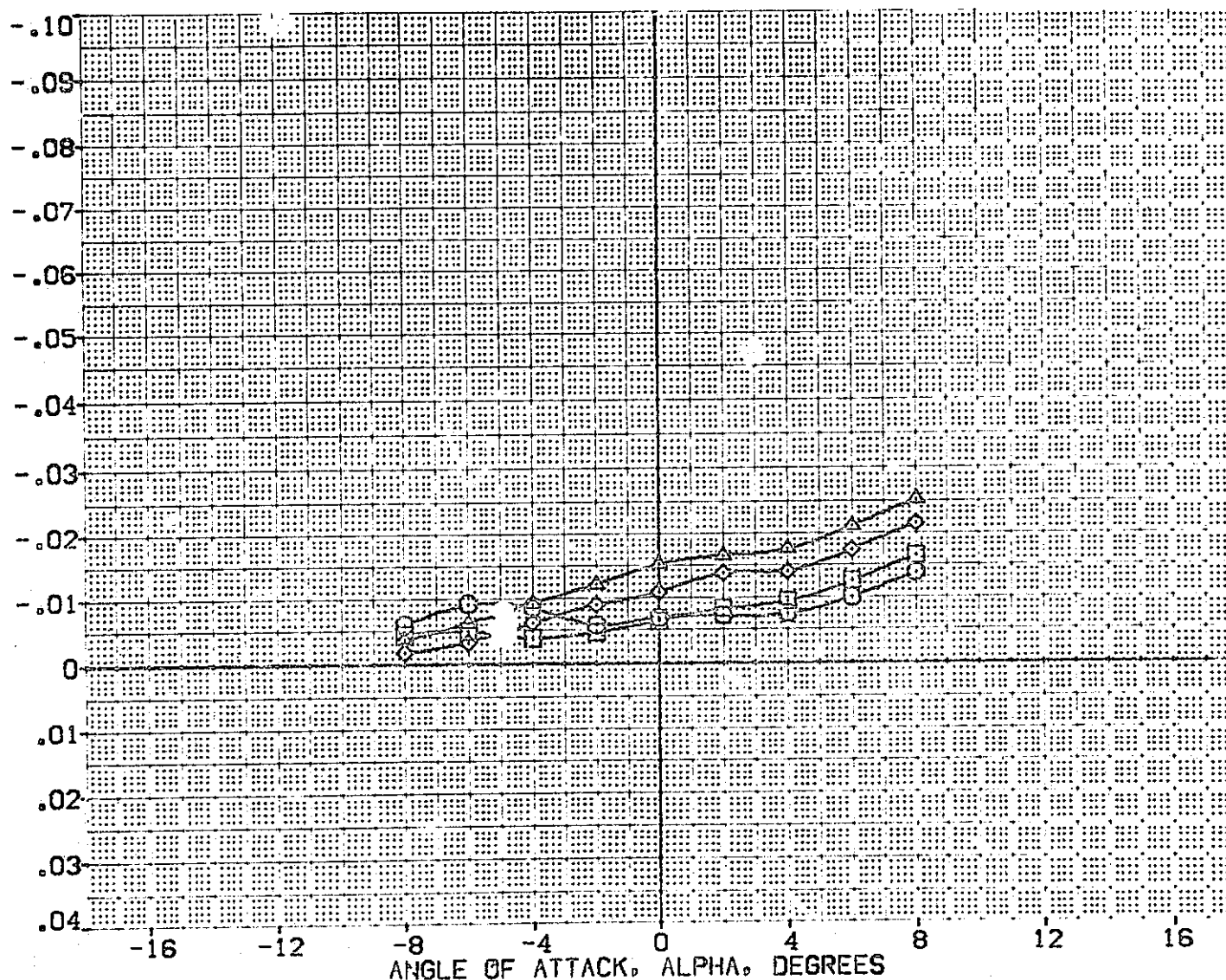


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
[C]MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7002]	□	1A70 01T125IP2F3
[AF7003]	□	1A70 01T125IP2F3
[AF7004]	△	1A70 01T125IP2F3
[AF7005]	△	1A70 01T125IP2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	SG.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	933.7000	IN.
12.000	.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

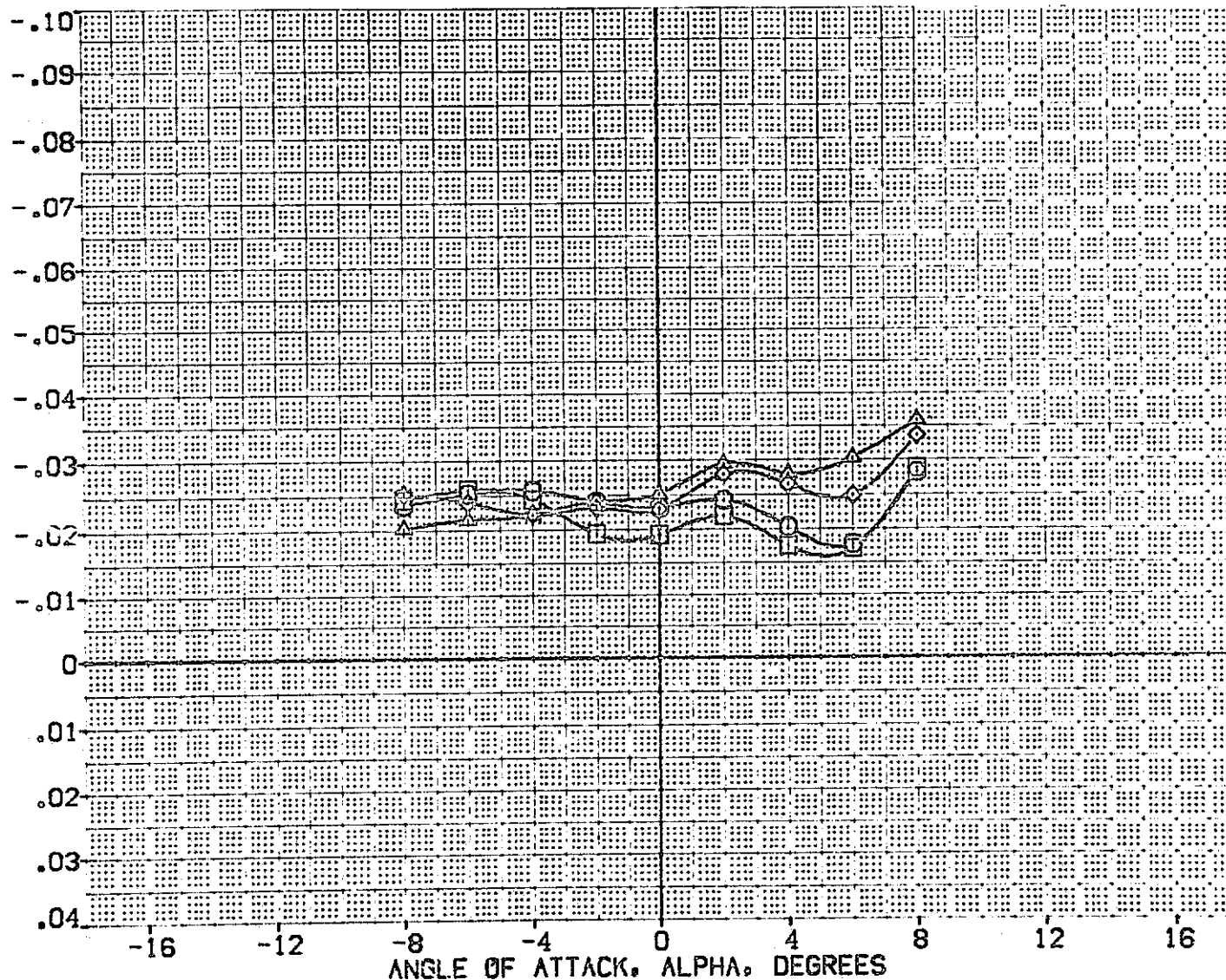


FIG 5 ELEVON EFFECTIVENESS, 0TBD ELEVON = 0
(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7002]	1A70 01T12S1P2F0
[AF7003]	1A70 01T12S1P2F0
[AF7004]	1A70 01T12S1P2F0
[AF7005]	1A70 01T12S1P2F0

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50. FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
6.000	.000	.000	.000	BREF	935.7000	IN.
12.000	.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

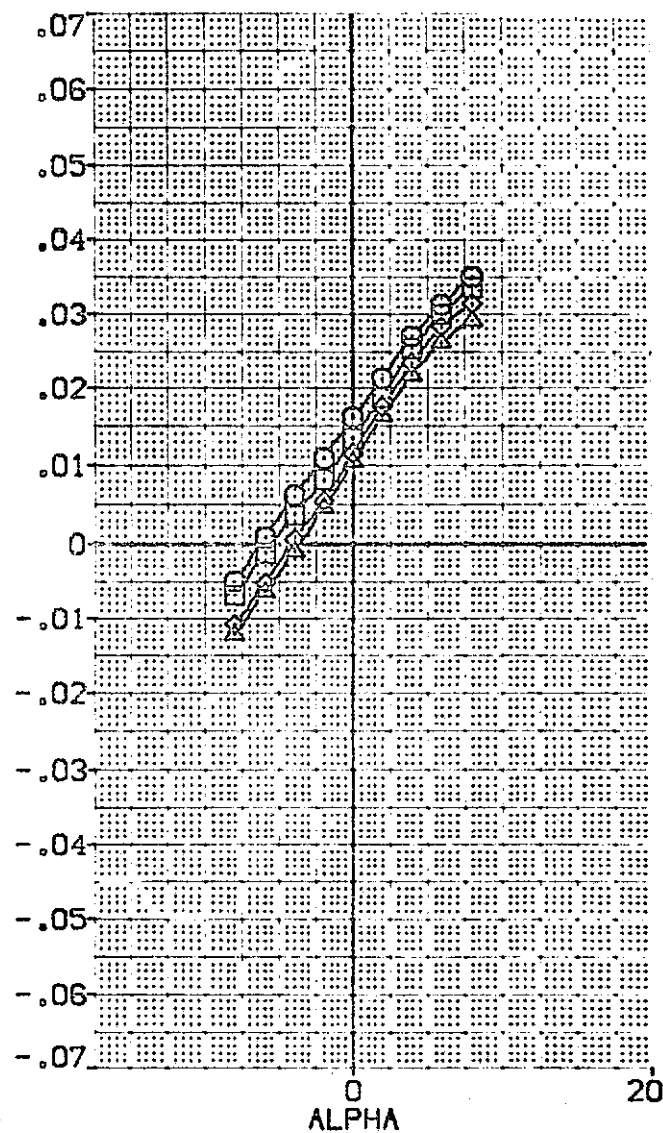
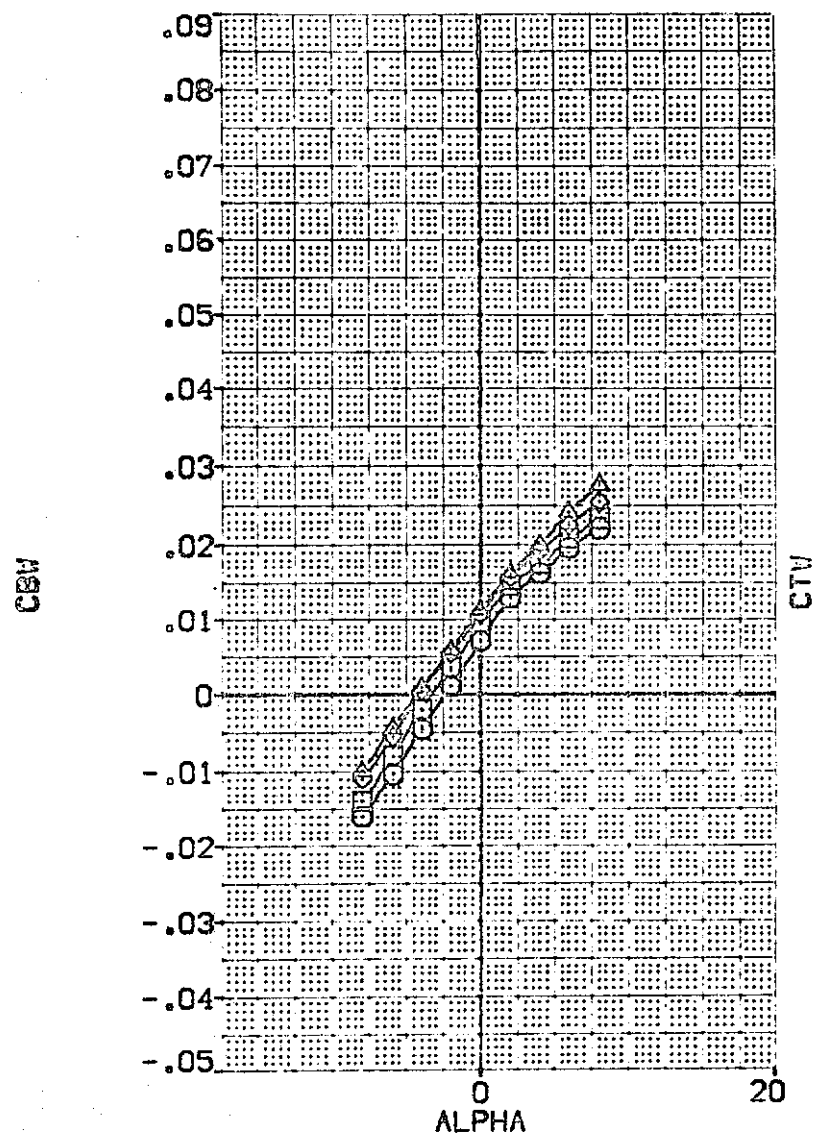


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(A)MASH = .90

DATA SET SYMB.	CONFIGURATION DESCRIPTION
{ AF7002 }	1A70 01T12S1P2F3
{ AF7003 }	1A70 01T12S1P2F3
{ AF7004 }	1A70 01T12S1P2F3
{ AF7005 }	1A70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	EETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2650.0000 SQ.FT.
4.000	.000	.000	.000	LREF	474.8000 IN.
8.000	.000	.000	.000	BREF	935.7000 IN.
12.000	.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

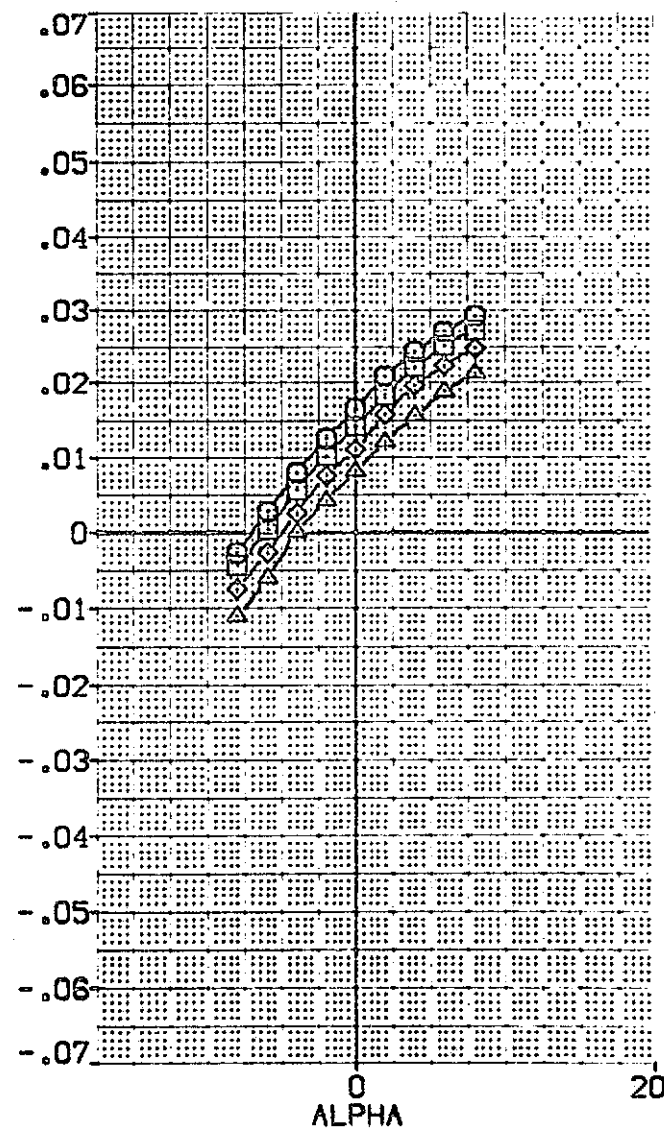
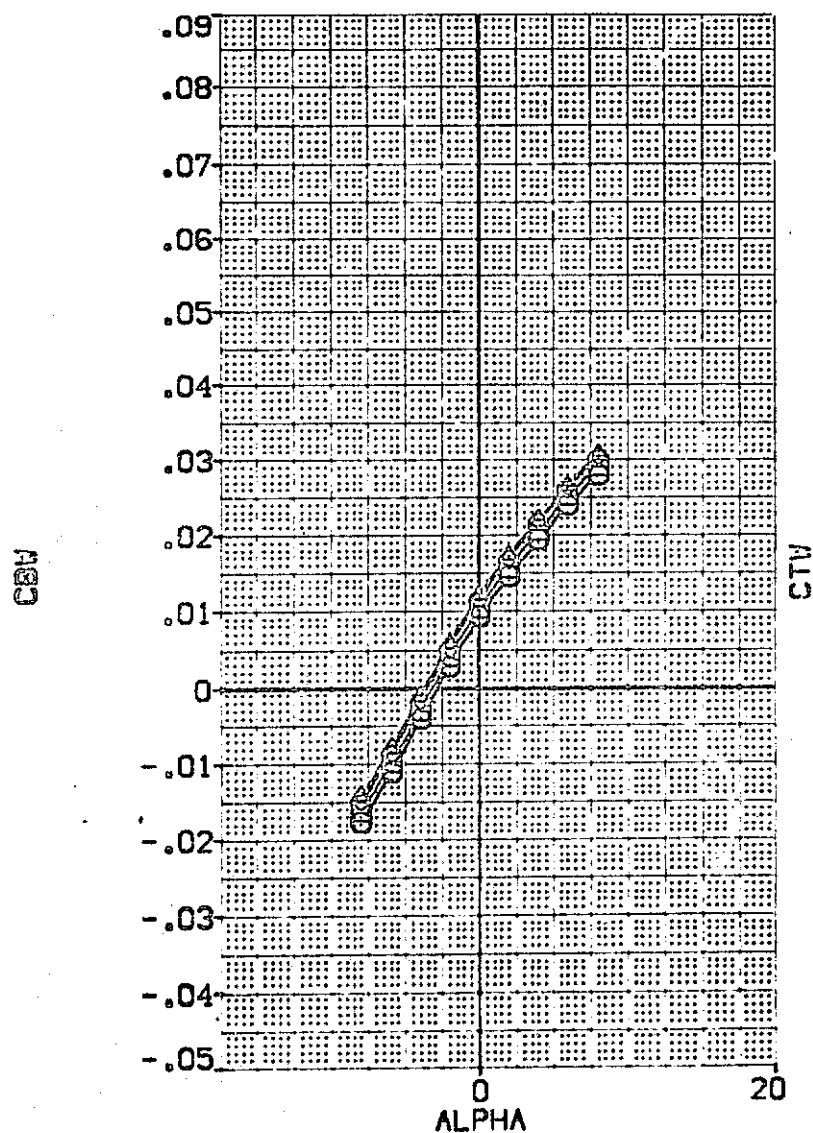


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7002]	○ 1A70 0112S1P2F0
[AF7003]	□ 1A70 0112S1P2F0
[AF7004]	◇ 1A70 0112S1P2F0
[AF7005]	△ 1A70 0112S1P2F0

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2650.0000	50. FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	SREF	935.7000	IN.
12.000	.000	.000	.000	XMRF	.0000	IN. XT
				YMRF	.0000	IN. YT
				ZMRF	.0000	IN. ZT
				SCALE	.0150	

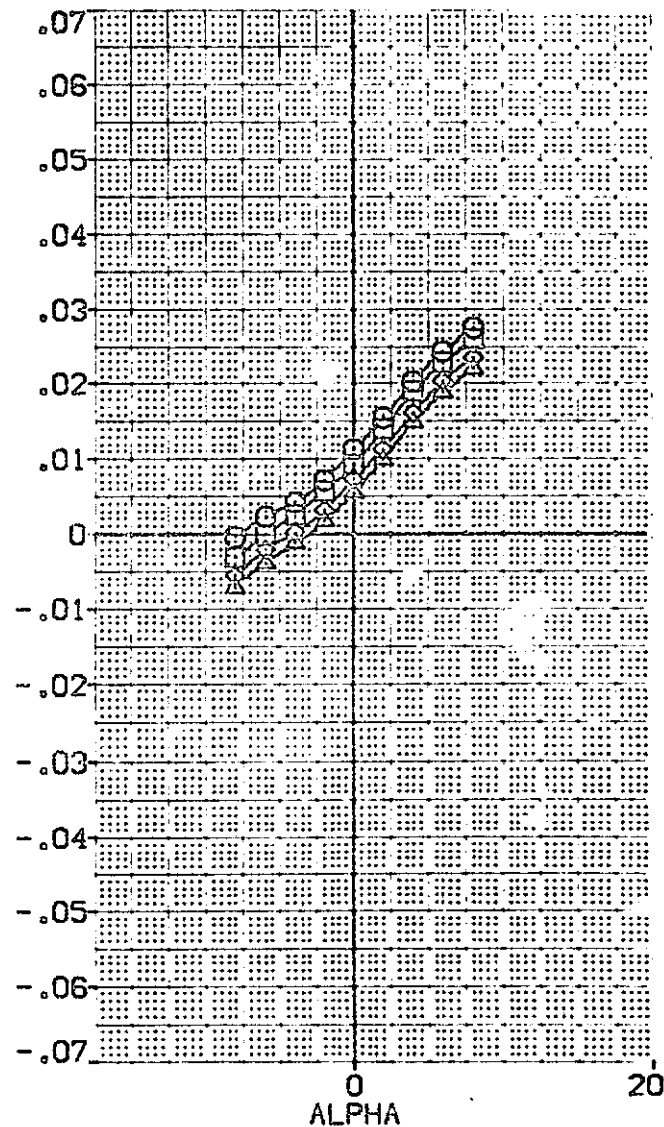
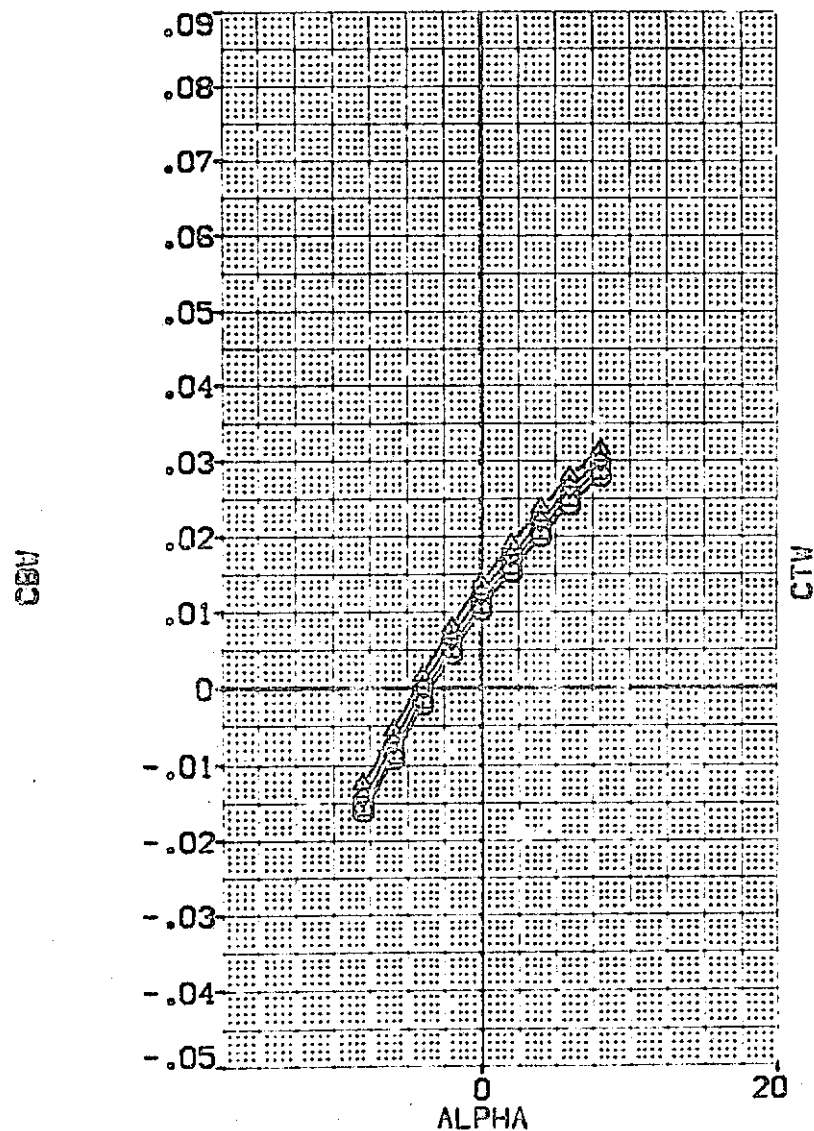


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7002]	1A70 01T12SIP2P0
[AF7003]	1A70 01T12SIP2P3
[AF7004]	1A70 01T12SIP2P3
[AF7005]	1A70 01T12SIP2P3

ELV-L1	ELV-L2	ELAP	BETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2650.0000 SQ.FT.
4.000	.000	.000	.000	LREF	474.8000 IN.
8.000	.000	.000	.000	BREF	935.7000 IN.
12.000	.000	.000	.000	XMRF	.0000 IN. XT
				YMRF	.0000 IN. YT
				ZMRF	.0000 IN. ZT
				SCALE	.0150

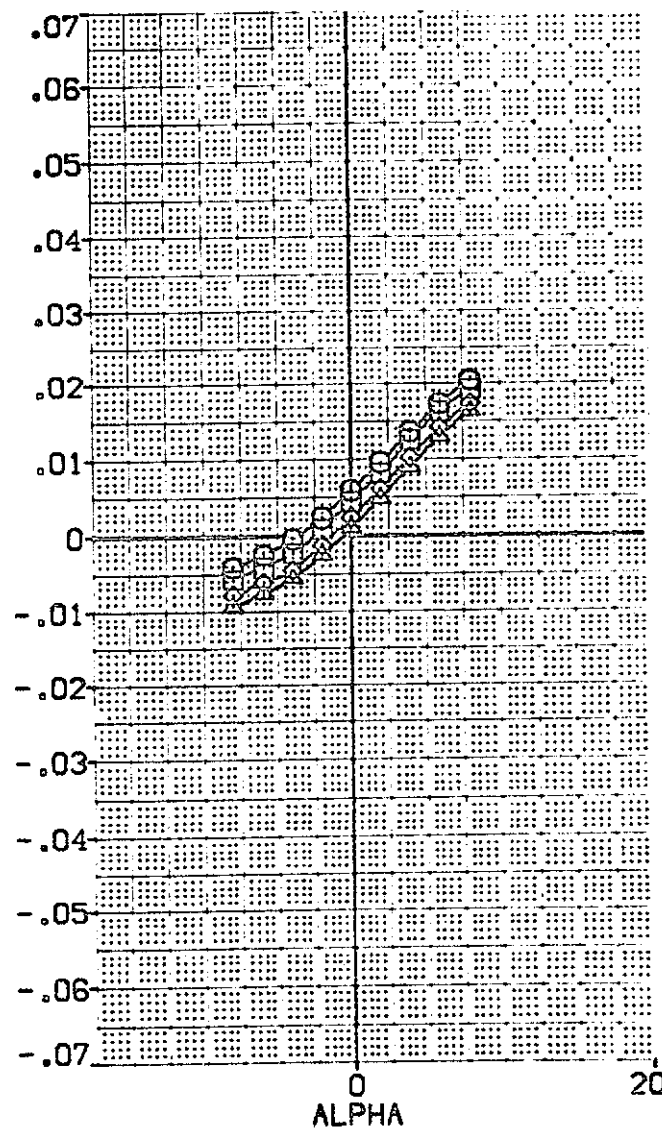
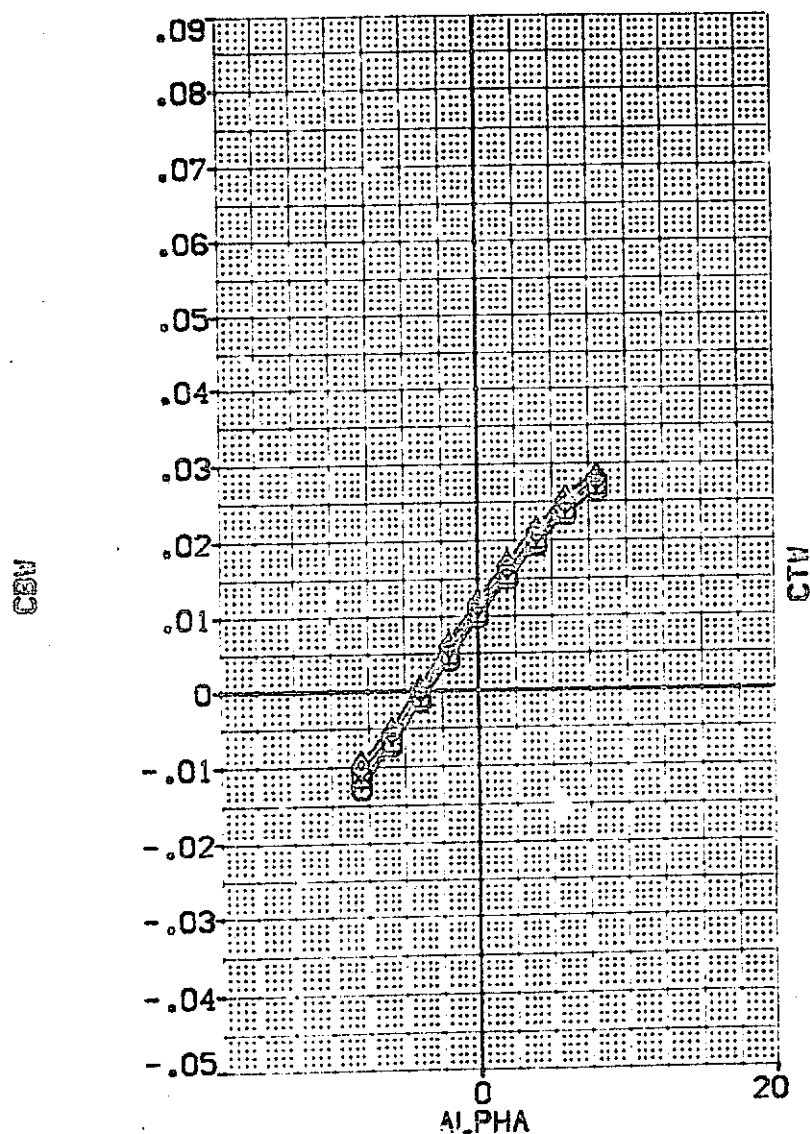


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0
(D)MACH = 1.50

IA70 01T12S1P2P8

(AF7002)

SYMBOL



ALPHA

-9.000
-6.000
-4.000
-2.000
.000

MACH
ELV-L0
ELV-R0

PARAMETRIC VALUES

.500 BETA
.000 ELV-RI
.000 BFLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE

ELV-LI
.000
0.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

SREF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2650.0000 SQ.FT.
474.6000 IN.
936.7000 IN.
.0000 IN. XT
.0000 IN. YT
.0000 IN. ZT
.0150

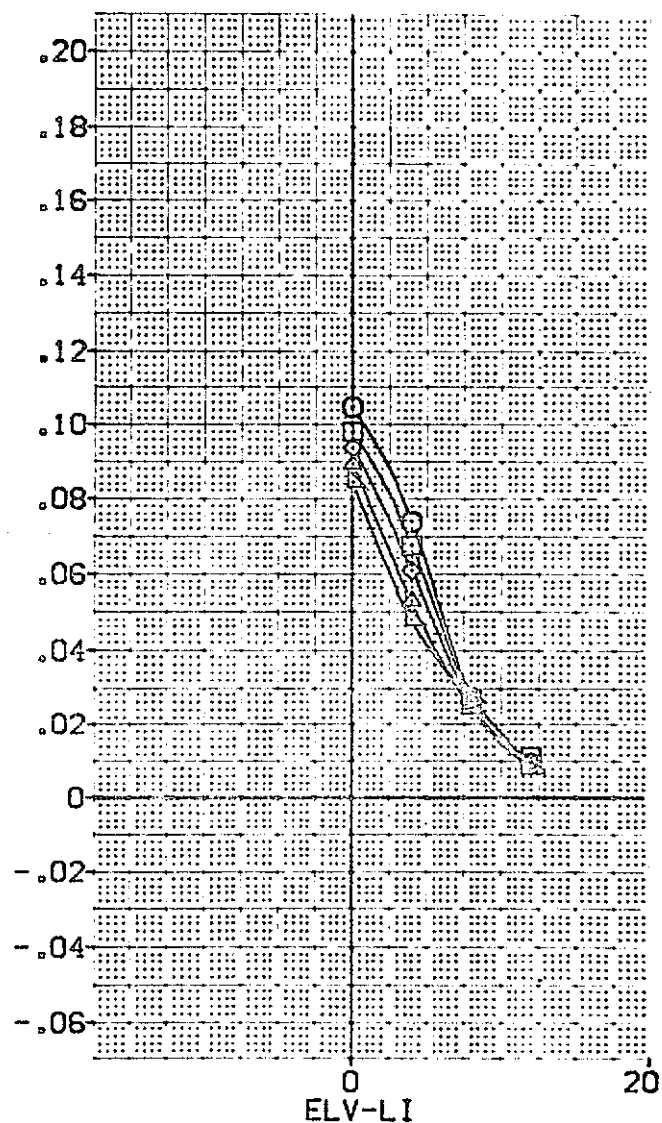
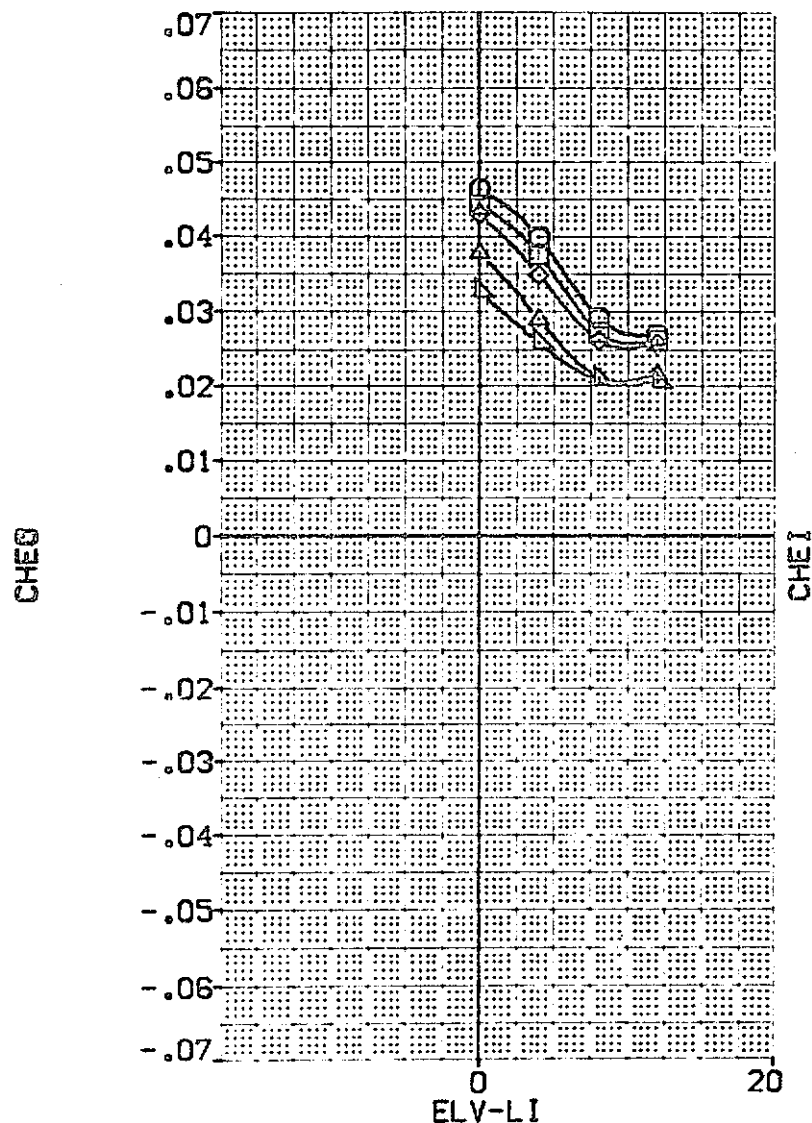


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

SWSEL
○
□
◇
△

ALPHA
2.000
4.000
6.000
8.000

NACH
ELV-L0
ELV-R0

PARAMETRIC VALUES
.000 BETA
.000 ELV-RI
.000 BFLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE
ELV-LI
.000
8.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

SRF
LRF
BRF
XMRP
YMRP
ZMRP
SCALE

2350.0000
474.8000
955.7000
.0000
.0000
.0000
.0150

SO.FT.
IN.
IN.
IN.
IN.
IN.
IN.

XT
YT
ZT

CHE0

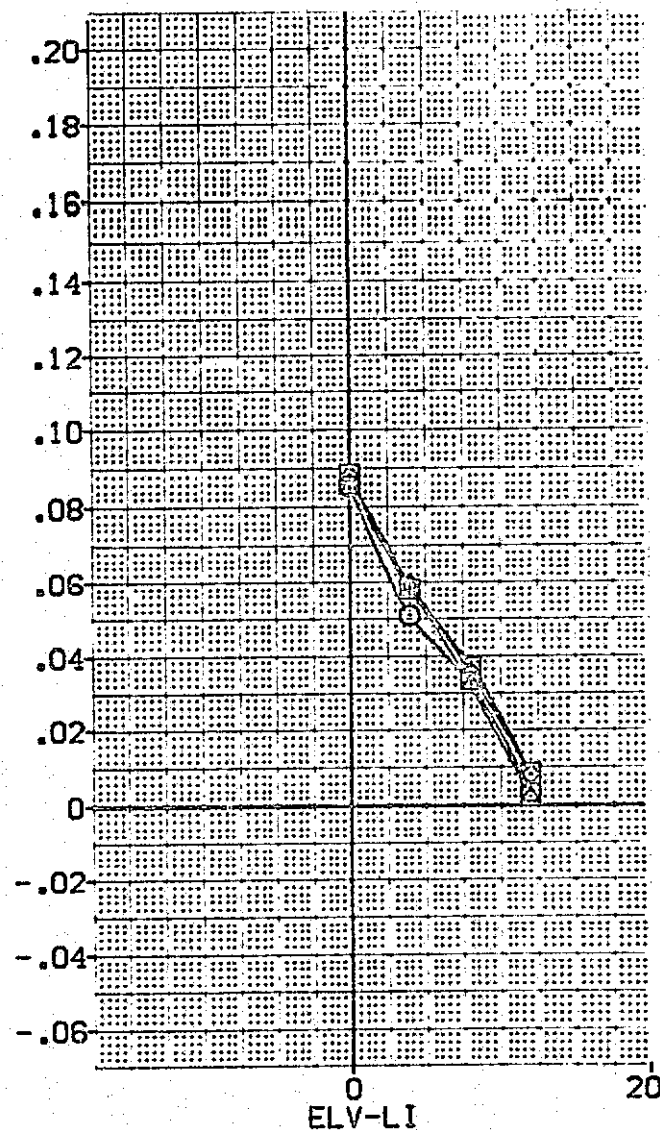
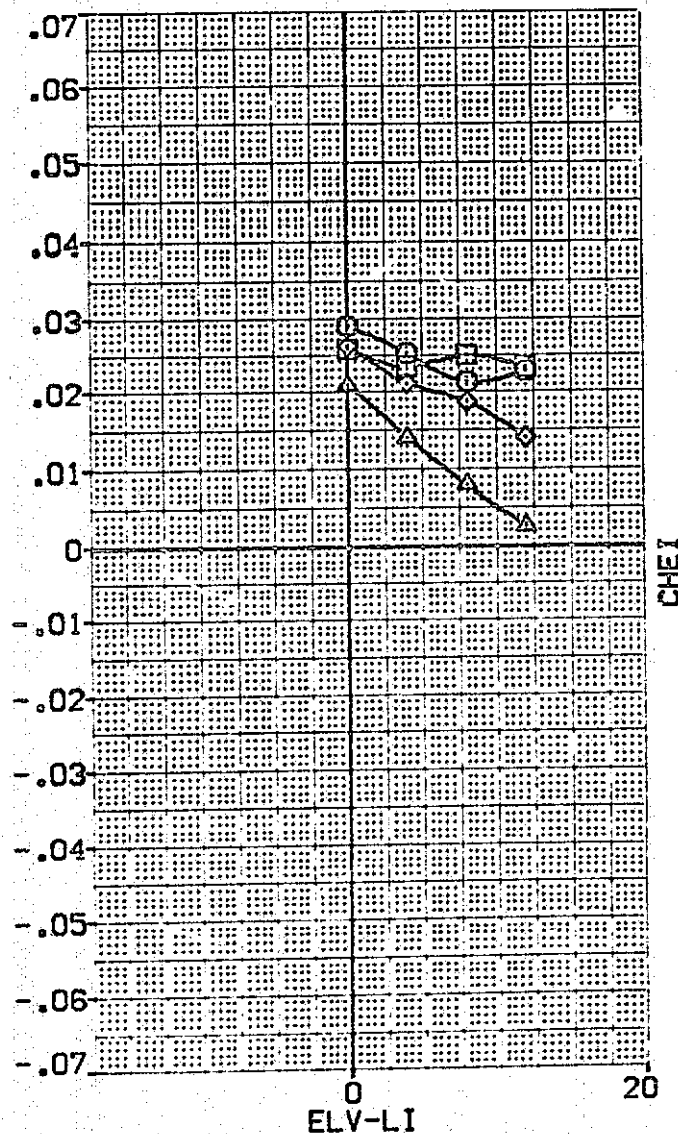


FIG 5 ELEVON EFFECTIVENESS, 0TBD ELEVON = 0

1A70 01T12S1P2P8

(AF7002)

SWOOL

○
□
◇
△
▽

ALPHA

-0.000
-3.000
-4.000
-2.000
.000

MACH
ELV-LB
ELV-RB

PARAMETRIC VALUES

1.120 BETA
.000 ELV-RI
.000 EFLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE

ELV-LI
.000
0.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

SRF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2650.0000
474.8000
925.7000
.0000
.0000
.0000
.0150

50.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

CHEQ

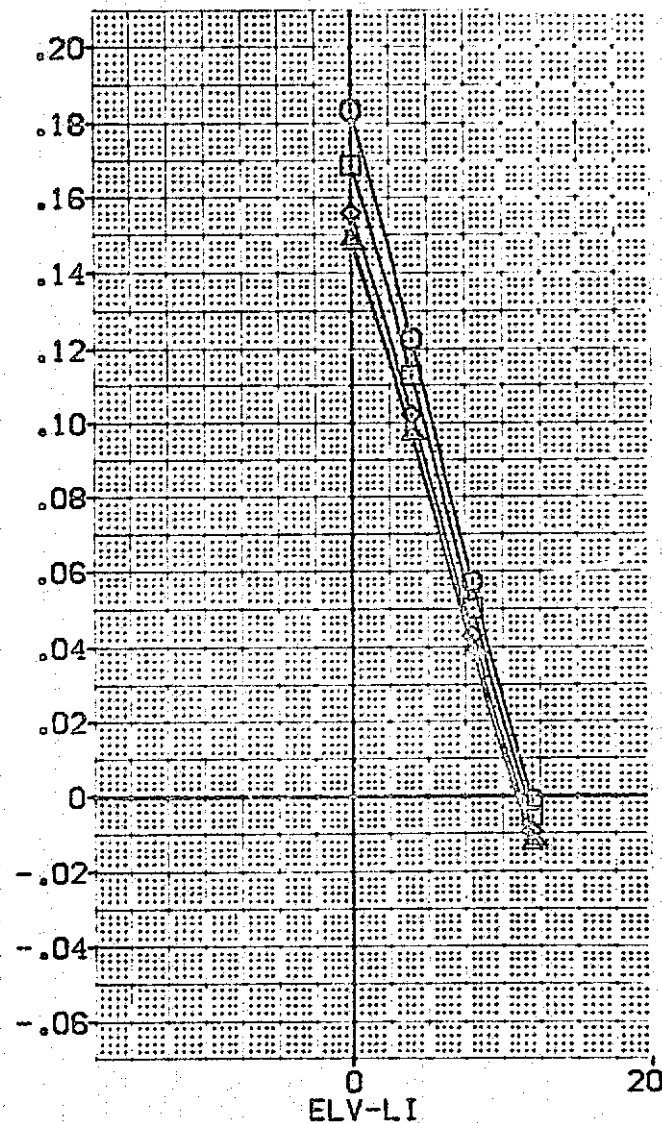
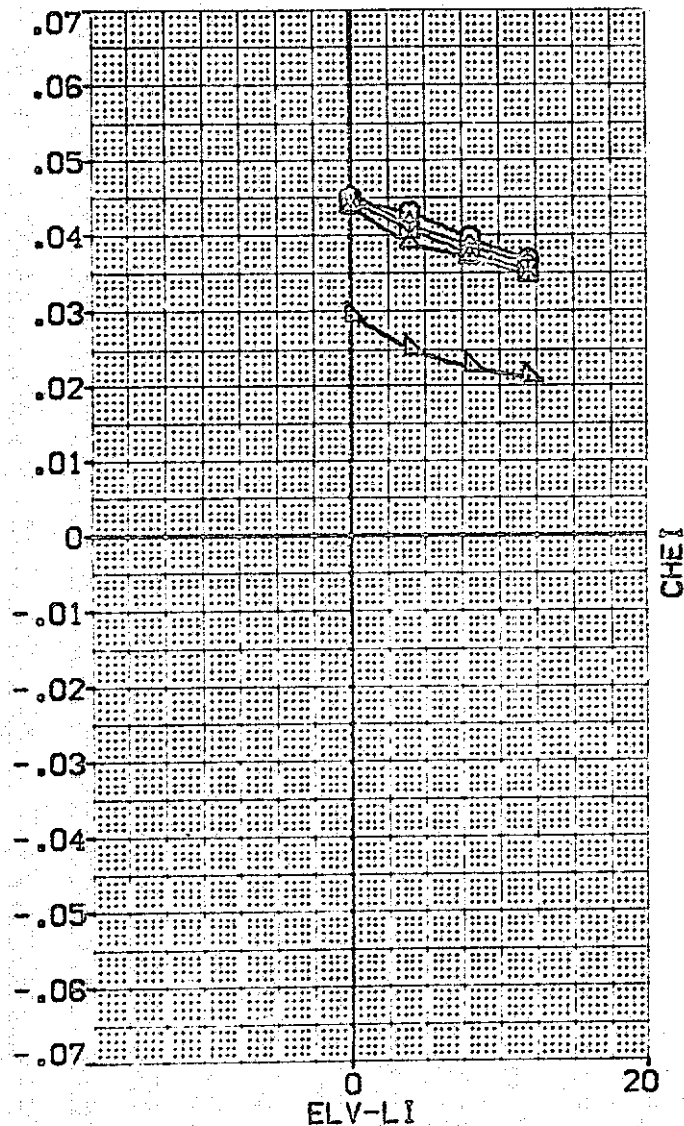


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

SWEEP

○
□
◇
△

ALPHA

2.000 MACH
4.000 ELV-L0
6.000 ELV-R0
8.000

PARAMETRIC VALUES

1.120 BETA
.000 ELV-RI
.000 FLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE

ELV-LI
.000
0.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

SLAF 2630.0000
LREF 474.8000
BREF 323.7000
XMRP .0000
YMRP .0000
ZMRP .0000
SCALE .0150

REFERENCE INFORMATION

50. FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

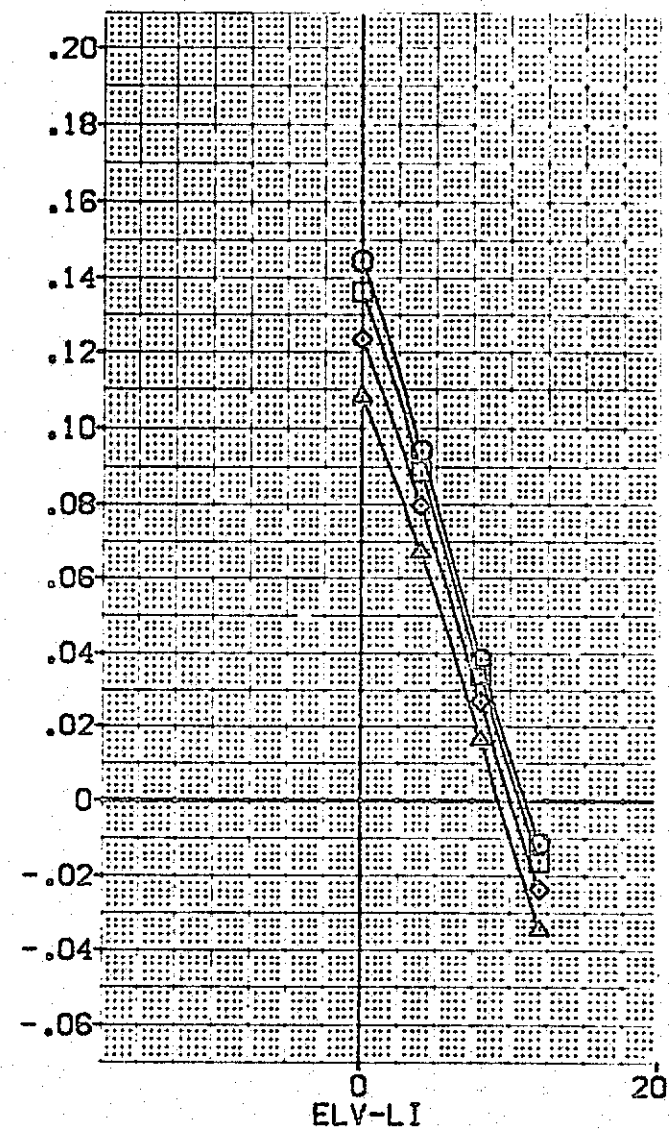
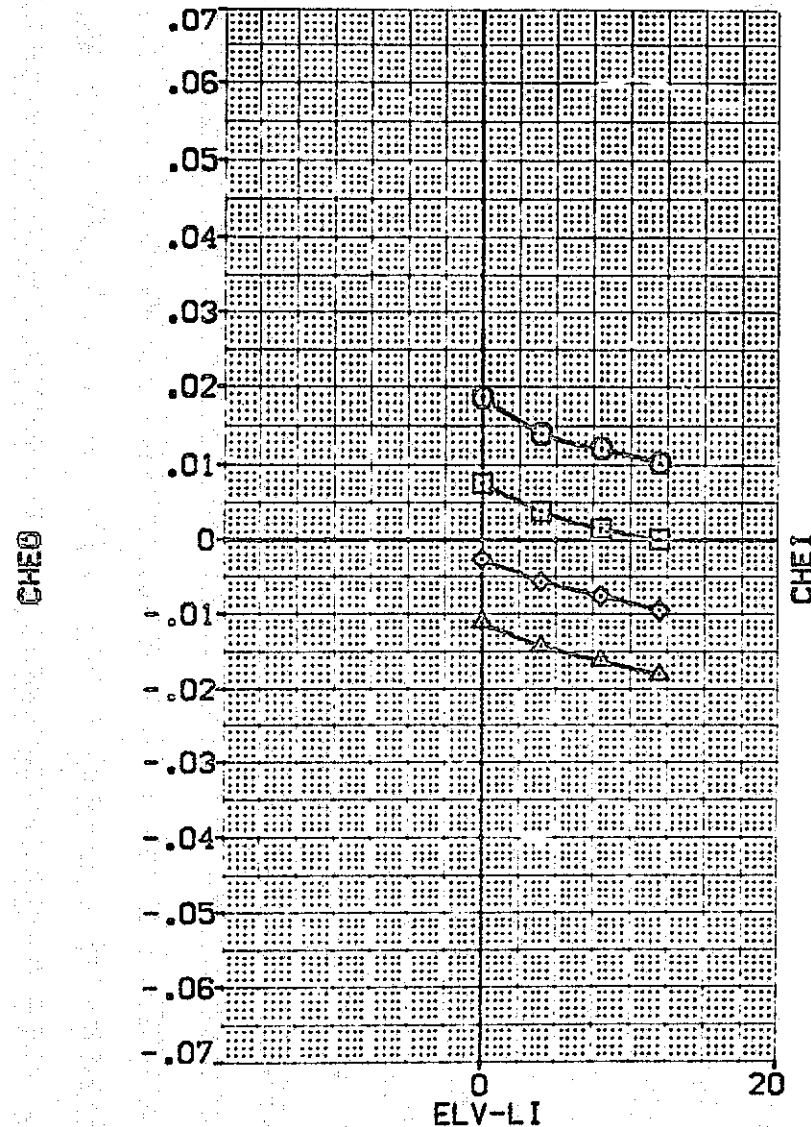


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

IA70 01T12S1P2P8

(AF7002)

SYMBOL
○
□
◇
△
▽

ALPHA
-9.000
-6.000
-4.000
-2.000
.000

MACH
ELV-LB
ELV-RB

PARAMETRIC VALUES
1.210 ESTA
.000 ELV-RI
.000 EFLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE
ELV-LI
.000
9.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

SREF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION
2690.0000
474.6000
935.7000
.0000
.0000
.0000
.0150

50.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

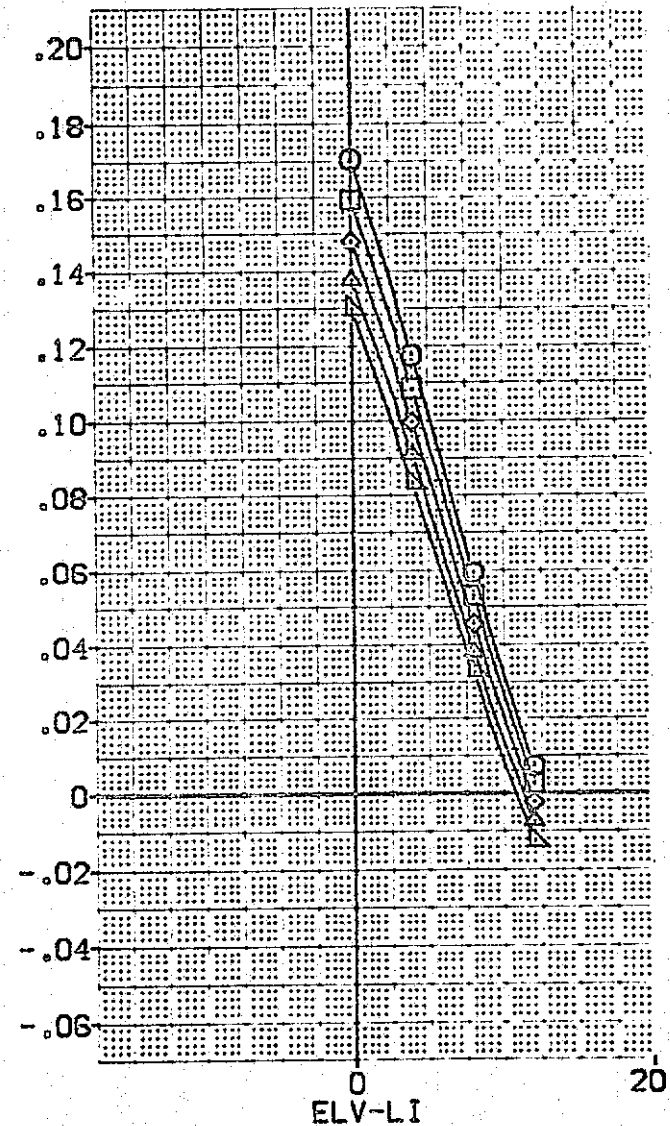
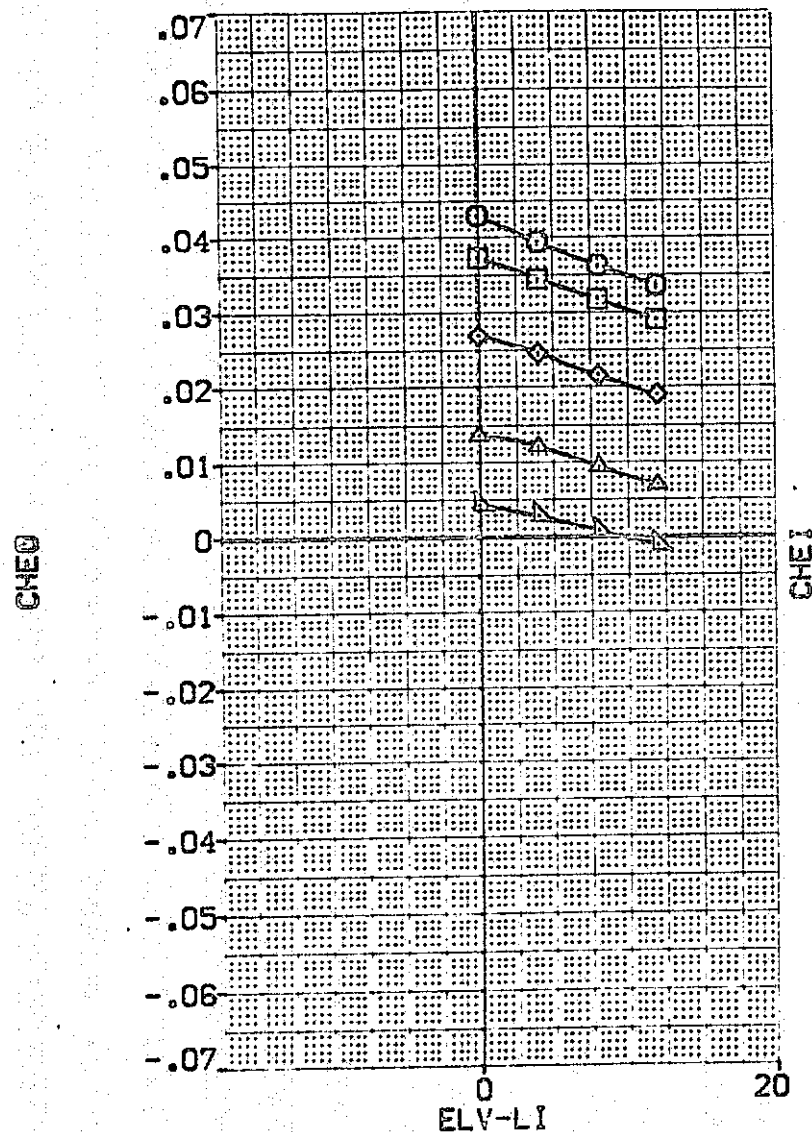


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

SWEEP
○
□
◇
△

ALPHA
2.000
4.000
6.000
8.000

WACH
ELV-LB
ELV-RB

PARAMETRIC VALUES
1.240 BETA
.000 ELV-RI
.000 EFLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE
ELV-LI
.000
9.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

SREF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION
2650.0000
474.8000
935.7000
.0000
.0000
.0000
.0150

50.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

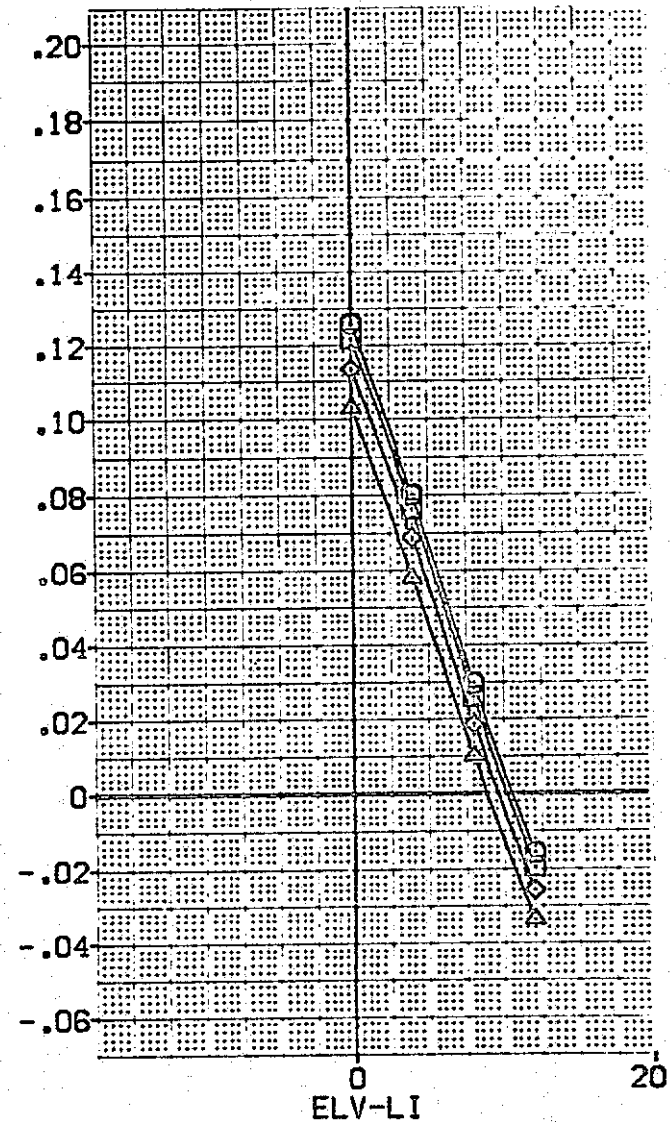
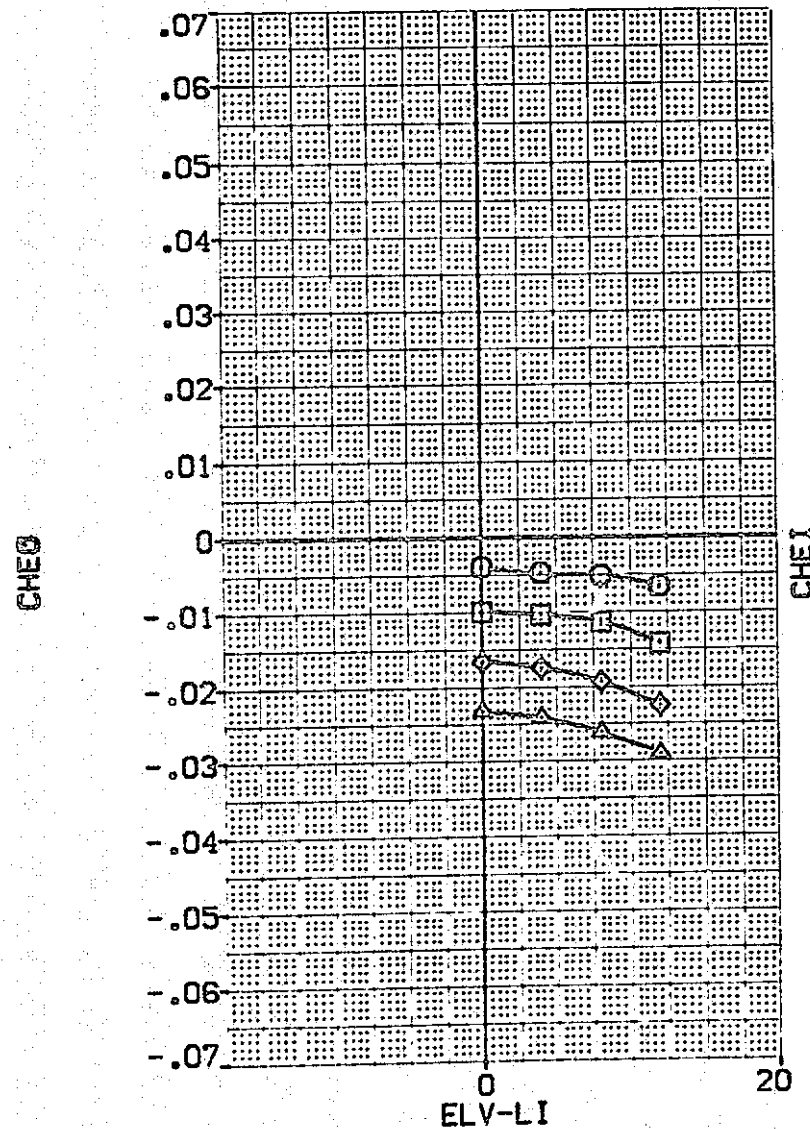


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

SYMBOL

○
□
◇
△
▽

ALPHA

-3.000 HACH
-3.000 ELV-LG
-4.000 ELV-RG
-2.000
.000

PARAMETRIC VALUES

1.500 BETA
.000 ELV-RI
.000 EFLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE

ELV-LI
.000
8.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

REFERENCE INFORMATION
SREF 2620.0000 SQ.FT.
LREF 474.8000 IN.
BREF 935.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

CHEG

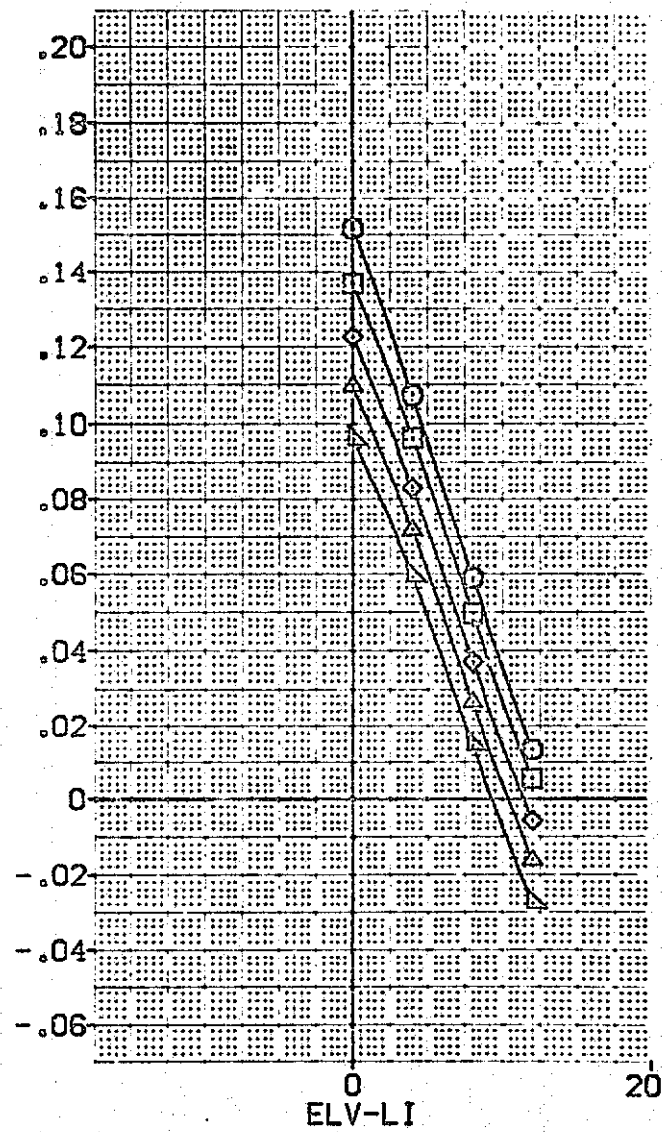
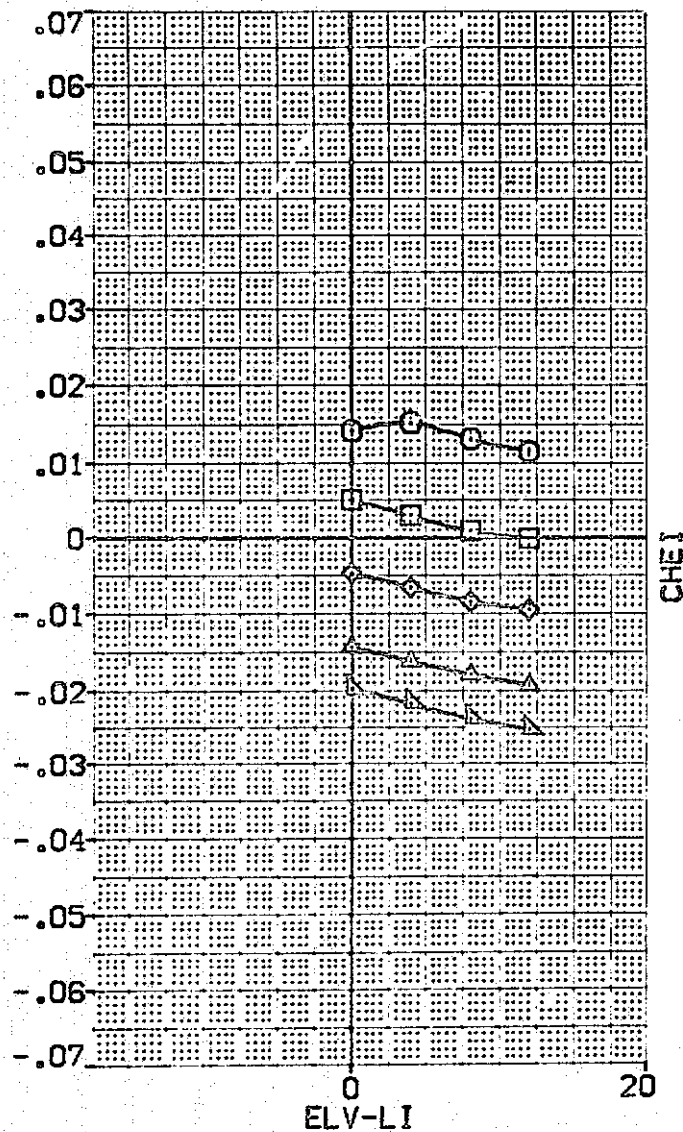


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

CHEL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-LI
ELV-RD

PARAMETRIC VALUES

1.500 BETA
.000 ELV-RJ
.000 EPLAP

.000 DATASET
.000 AF7002
.000 AF7004

DATA SOURCE

ELV-LI
.000
0.000

DATASET
AF7003
AF7005

ELV-LI
4.000
12.000

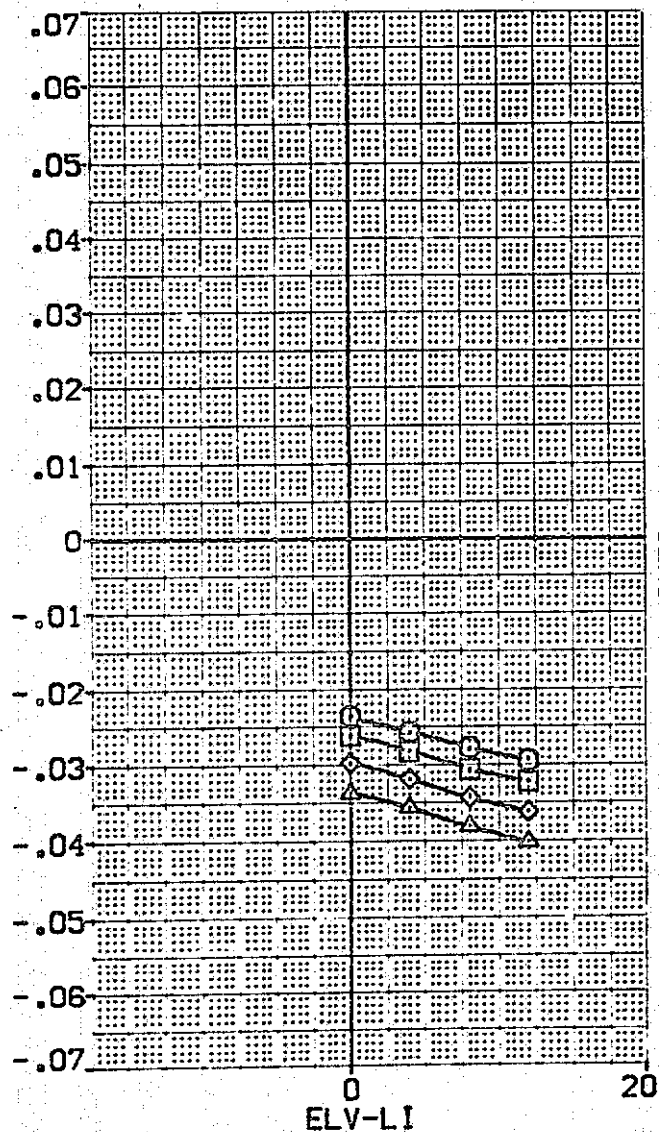
SREF
LREF
EREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2690.0000
474.6000
935.7000
.0000
.0000
.0000
.0150

EQ.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

CHEO



CHEI

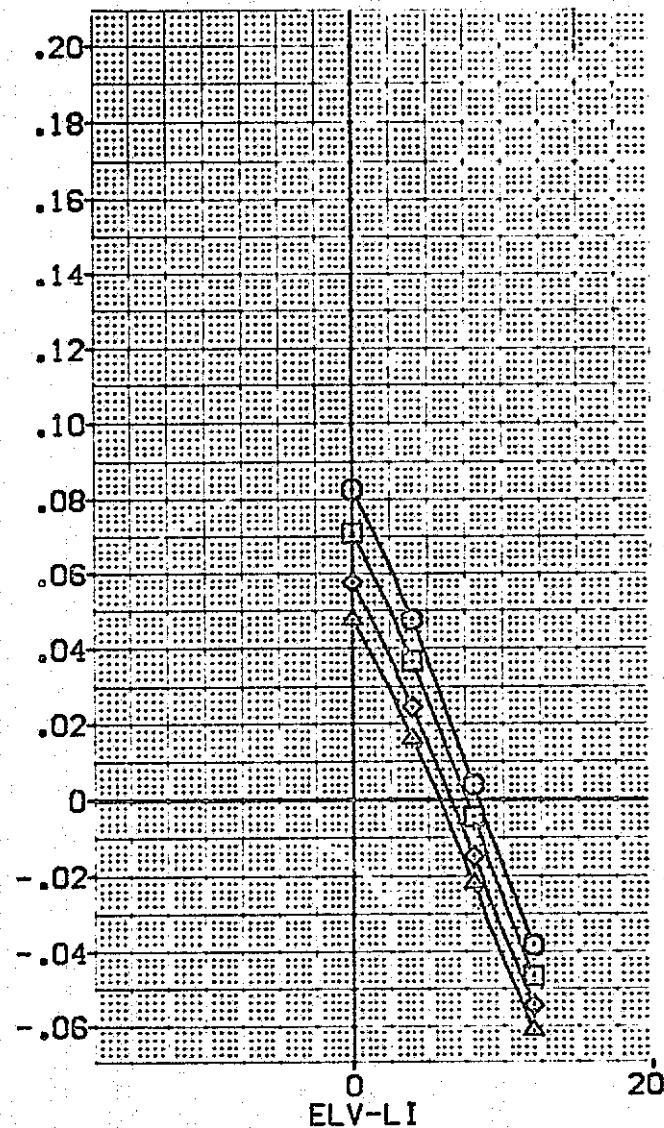


FIG 5 ELEVON EFFECTIVENESS, OTBD ELEVON = 0

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7010)	○	1A70	01T12S1P2P3
(AF7009)	□	1A70	01T12S1P2P3
(AF7007)	◇	1A70	01T12S1P2P3
(AF7005)	△	1A70	01T12S1P2P3

ELV-L1	ELV-L2	ELAP	BETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2690.0000	90.FT.
4.000	4.000	.000	.000	LREF	474.8000	IN.
8.000	4.000	.000	.000	EREF	935.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

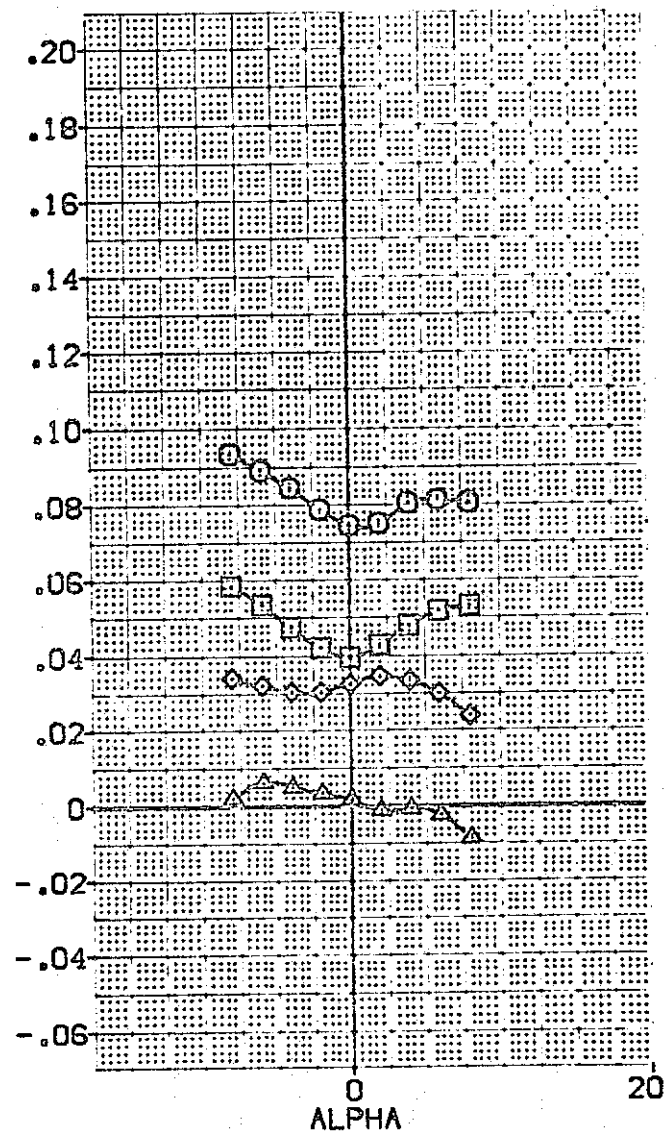
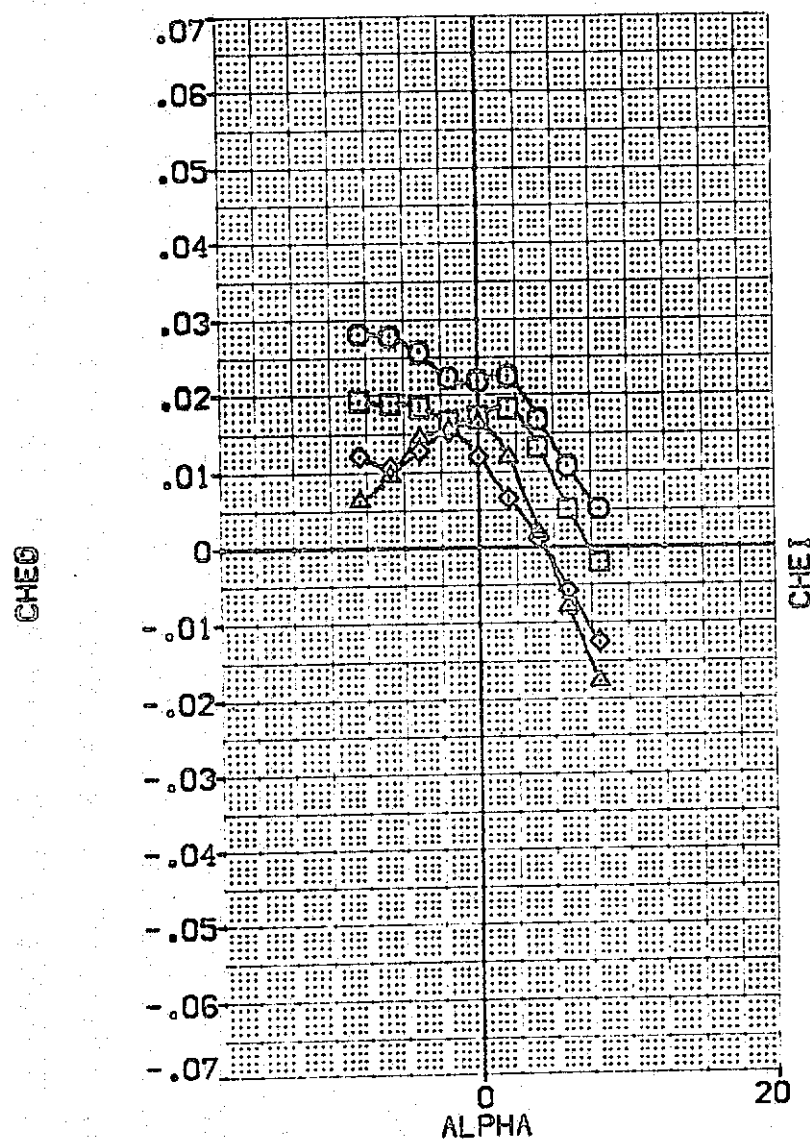


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
CAJMACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010] ○ 1A70 01T125IP2F3
 [AF7009] □ 1A70 01T125IP2F3
 [AF7007] × 1A70 01T125IP2F3
 [AF7005] △ 1A70 01T125IP2F3

ELV-L1	ELV-L0	ELAP	ETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2390.0000	80.FT.
4.000	4.000	.000	.000	LREF	474.8000	IN.
0.000	4.000	.000	.000	BREF	935.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

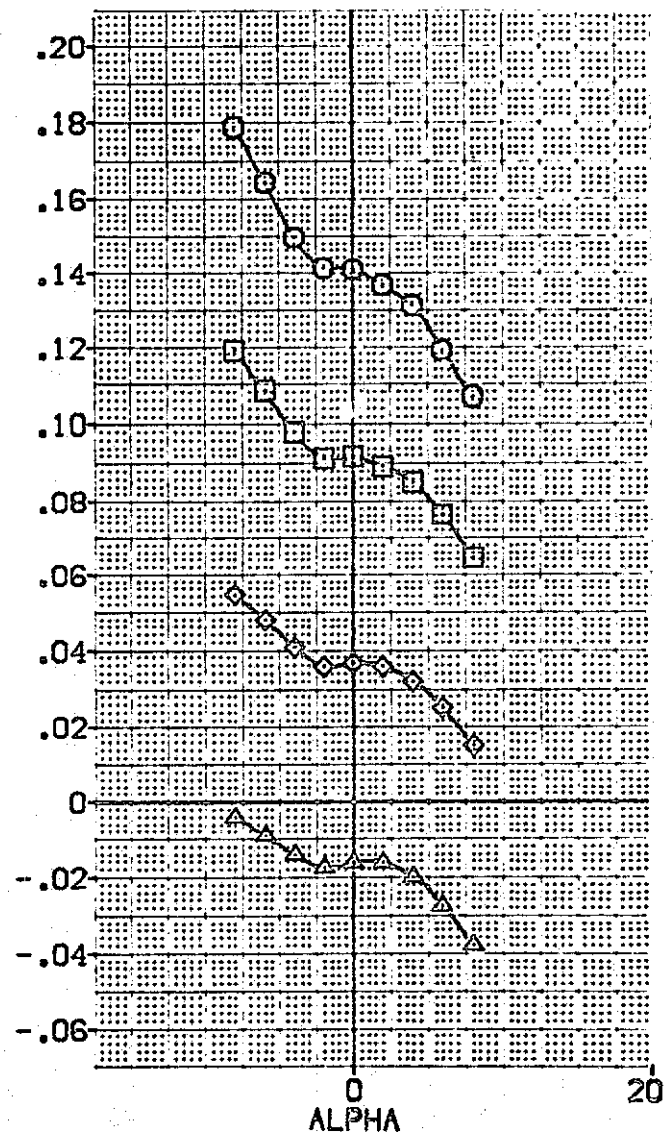
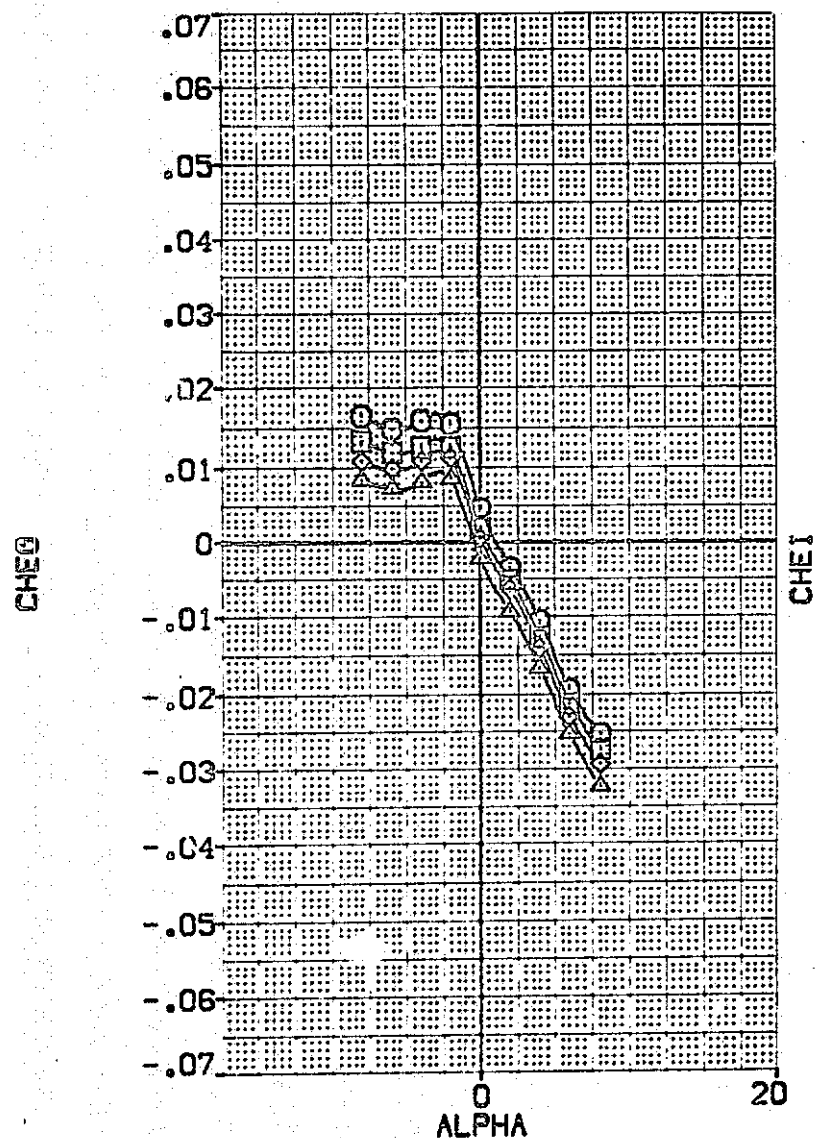


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010]	○	1A70 01T12S1P2F3
[AF7009]	□	1A70 01T12S1P2F3
[AF7007]	△	1A70 01T12S1P2F3
[AF7005]	×	1A70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION	
.000	4.000	.000	.000	SREF	2690.0000 SQ.FT.
4.000	4.000	.000	.000	LREF	474.8000 IN.
8.000	4.000	.000	.000	SREF	936.7000 IN.
12.000	4.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

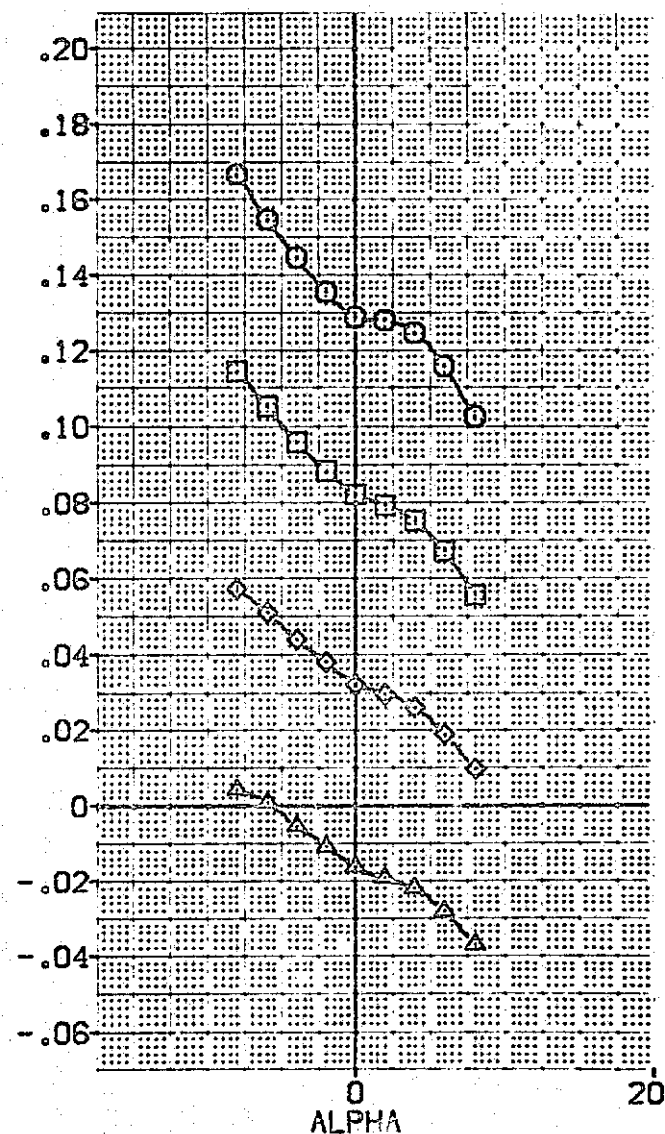
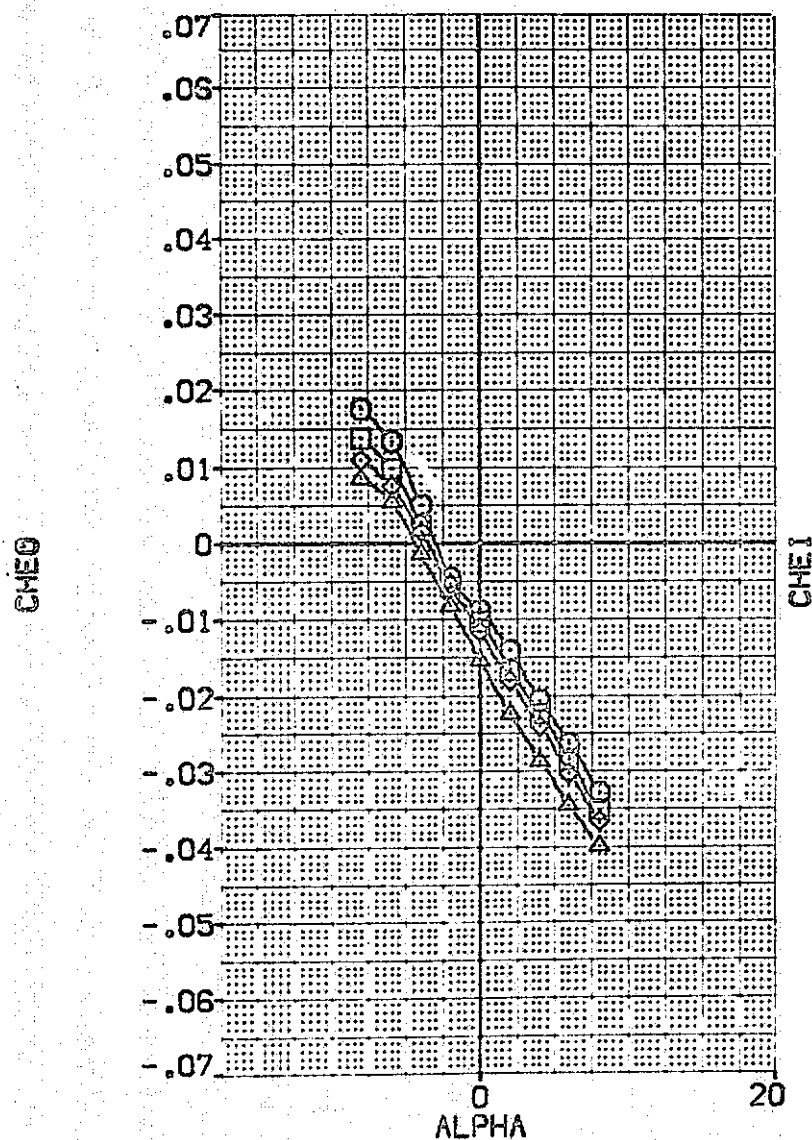


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
[C]MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010]	□	DATA NOT AVAILABLE
[AF7009]	□	1A70 01T12SIP2F3
[AF7007]	△	1A70 01T12SIP2F3
[AF7005]	△	1A70 01T12SIP2F3

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2850.0000	50. FT.
4.000	4.000	.000	.000	LREF	474.8000	IN.
8.000	4.000	.000	.000	BREF	935.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

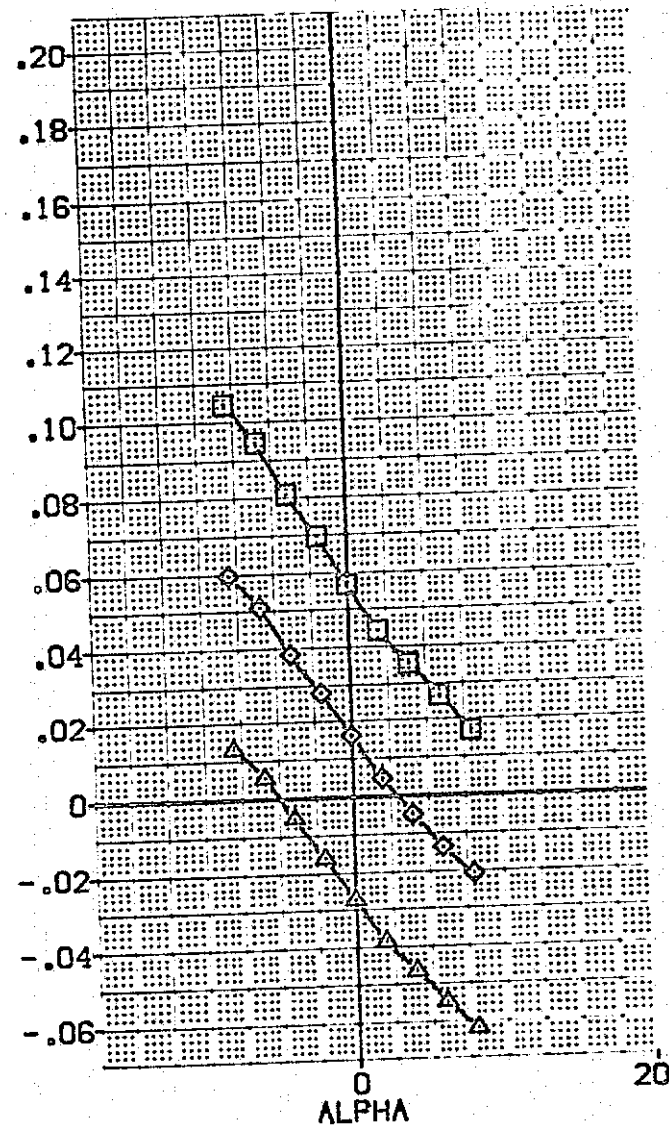
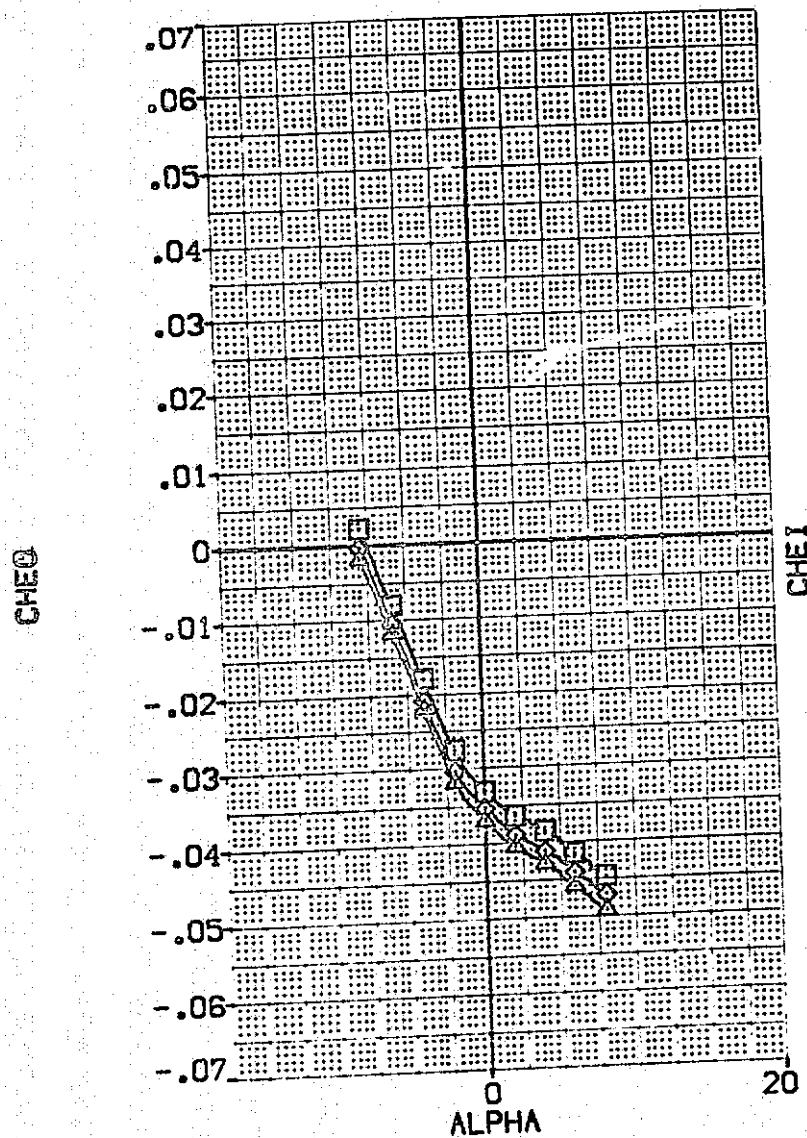


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
CDMACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7010)	IA70 01T12SIP2F3
(AF7003)	IA70 01T12SIP2F3
(AF7007)	IA70 01T12SIP2F3
(AF7005)	IA70 01T12SIP2F3

ELV-L1	ELV-L0	EFLAP	ETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2650.0000	59. FT.
4.000	4.000	.000	.000	LREF	474.6000	IN.
8.000	4.000	.000	.000	BREF	933.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

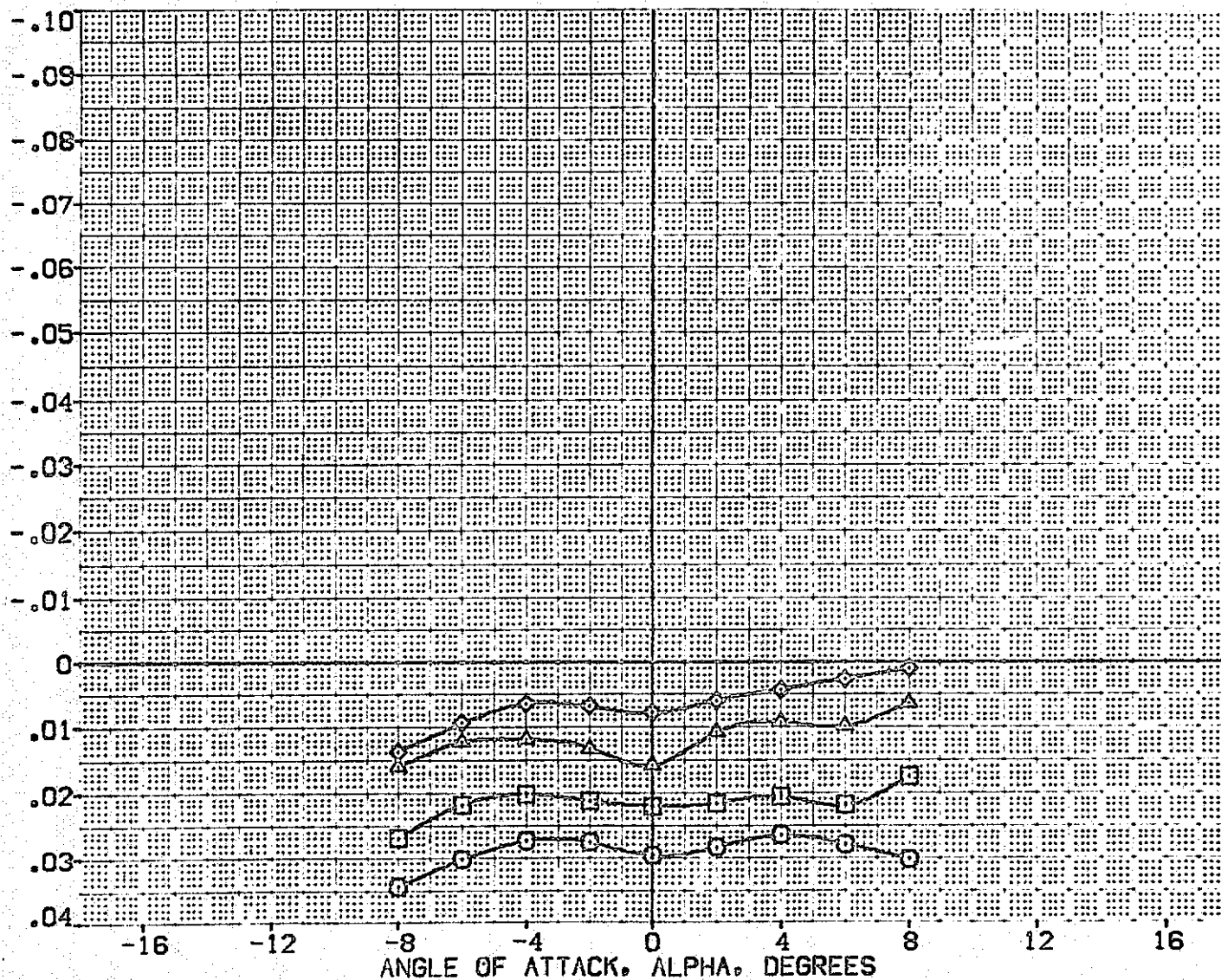


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7010} ○ 1A70 01T12S1P2F3
 {AF7009} □ 1A70 01T12S1P2F3
 {AF7007} ◇ 1A70 01T12S1P2F3
 {AF7005} △ 1A70 01T12S1P2F3

ELV-L1 ELV-L2 ELAP BETA
 .000 4.000 .000 .000
 4.000 4.000 .000 .000
 8.000 4.000 .000 .000
 12.000 4.000 .000 .000

REFERENCE INFORMATION
 XREF 2030.0000 99.FT.
 LREF 474.6000 IN.
 BREF 935.7000 IN.
 XMRP .0000 IN. XT
 YMRP .0000 IN. YT
 ZMRP .0000 IN. ZT
 SCALE .0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

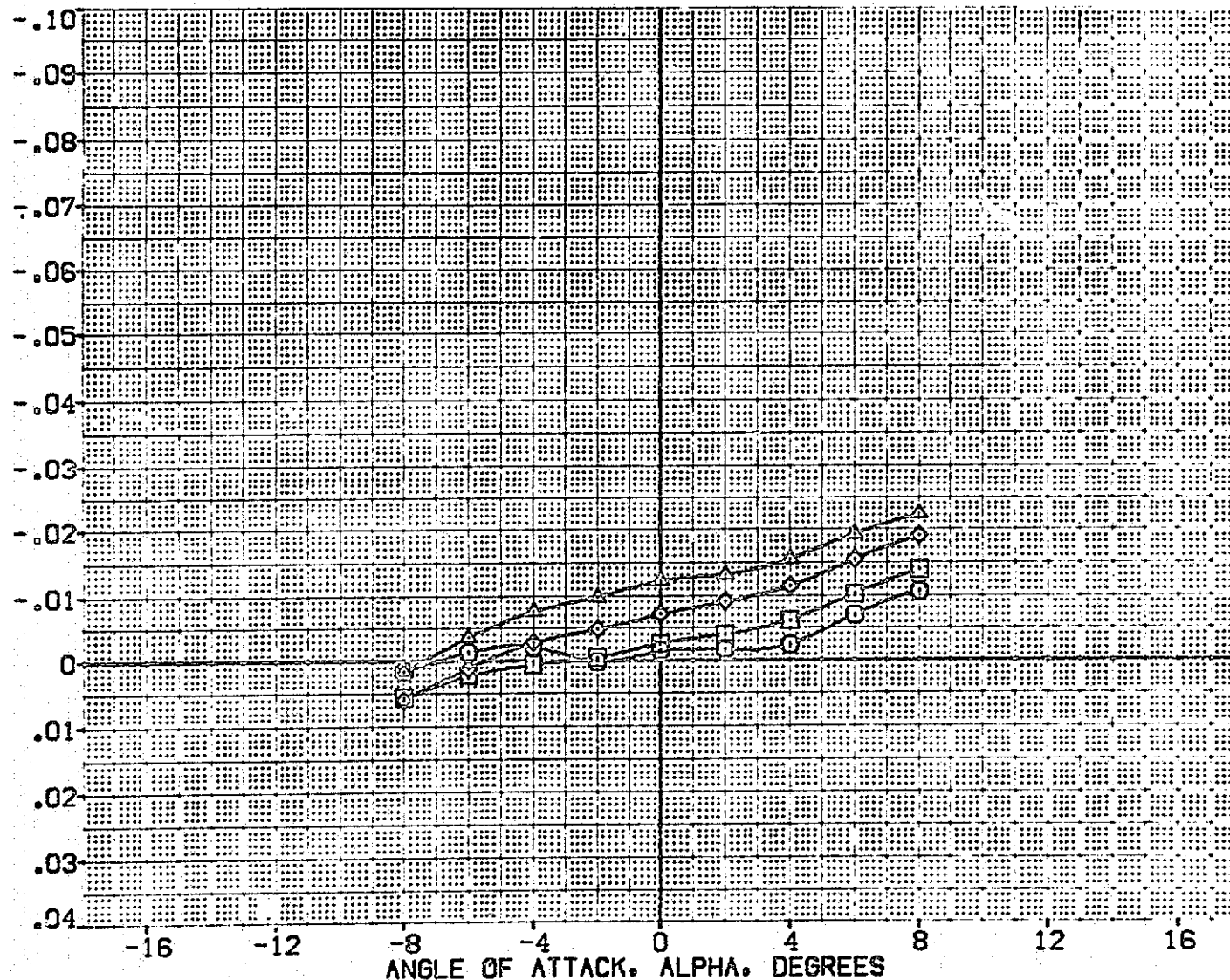


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
 (B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7010)	1A70 01T12S1P2F3
(AF7009)	1A70 01T12S1P2F3
(AF7007)	1A70 01T12S1P2F3
(AF7006)	1A70 01T12S1P2F3

CLV-L1	CLV-L0	EFLAP	BETA	REFERENCE INFORMATION
.000	4.000	.000	.000	SREF 2650.0000 90.FT.
4.000	4.000	.000	.000	LREF 474.8000 IN.
0.000	4.000	.000	.000	EREF 925.7000 IN.
12.000	4.000	.000	.000	XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

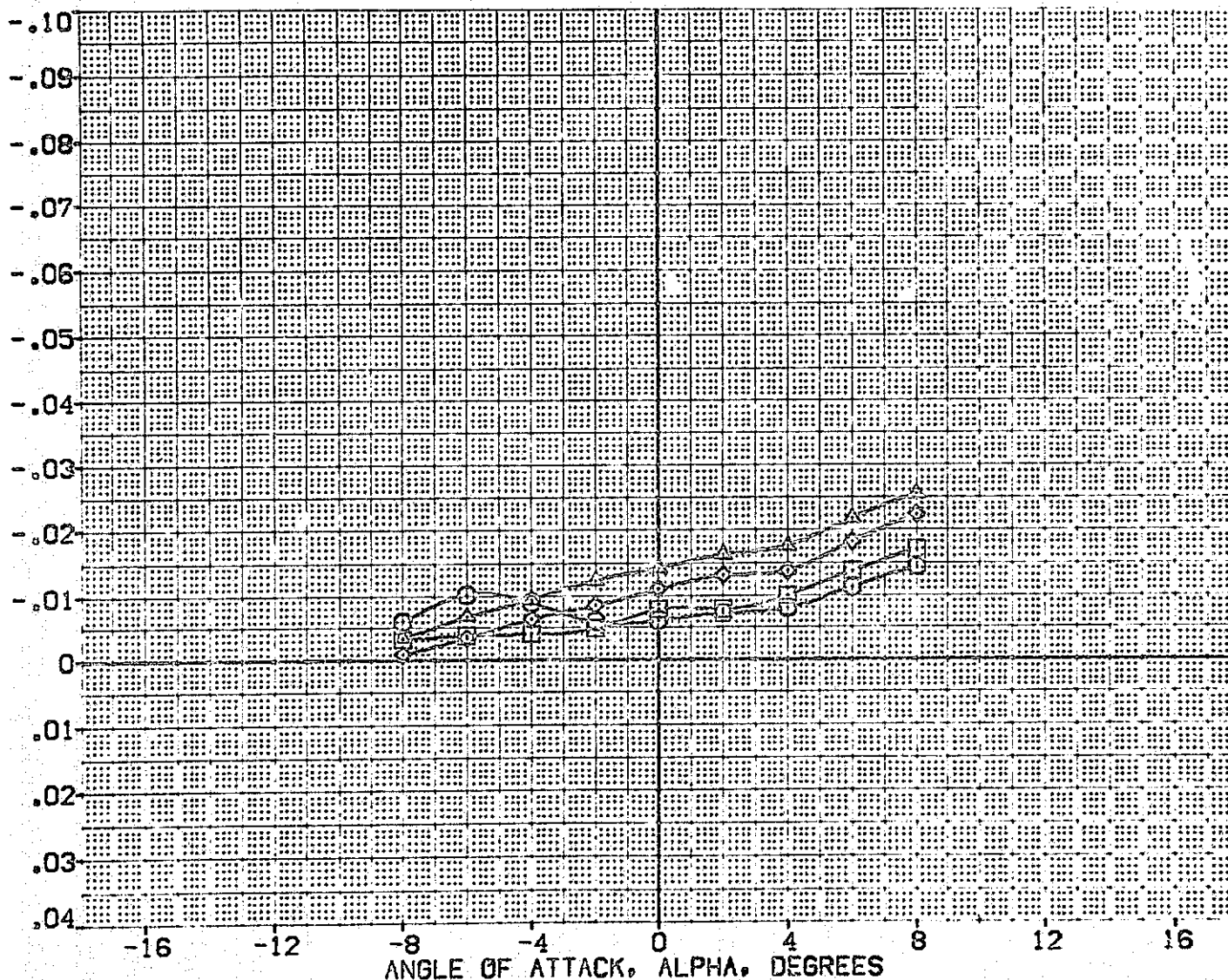


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7010]	DATA NOT AVAILABLE
[AF7009]	1A70 0111251P2F3
[AF7007]	1A70 0111251P2F3
[AF7006]	1A70 0111251P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2300.0000	50.FT.
4.000	4.000	.000	.000	LREF	474.0000	IN.
6.000	4.000	.000	.000	BREF	935.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

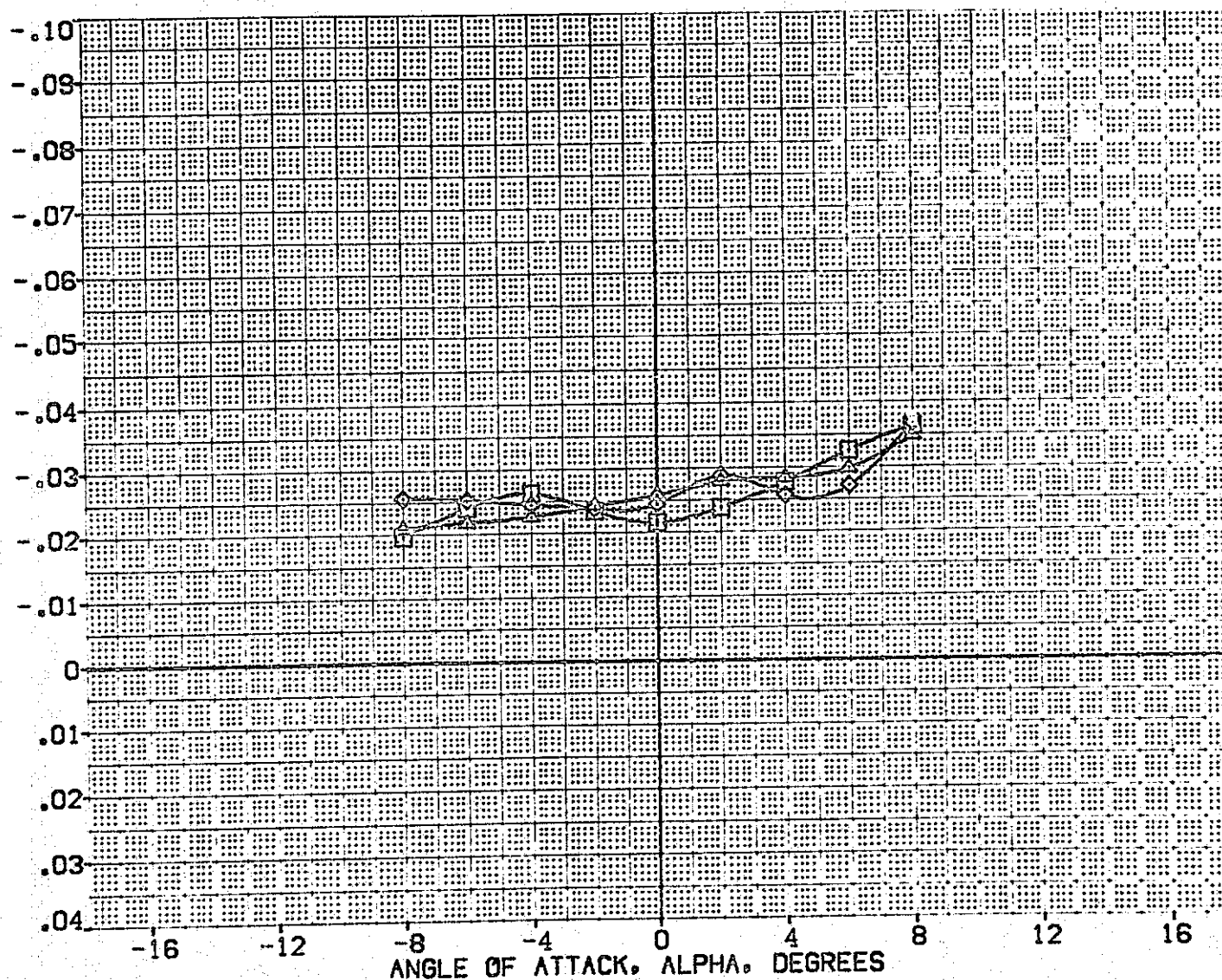


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
(D)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010]	○	1A70 01T12S1P2F3
[AF7009]	□	1A70 01T12S1P2F3
[AF7007]	△	1A70 01T12S1P2F3
[AF7003]	△	1A70 01T12S1P2F3

ELV-L1	ELV-L0	FLAP	BETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2690.0000	SO.FT.
4.000	4.000	.000	.000	LREF	474.6000	IN.
8.000	4.000	.000	.000	BREF	925.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

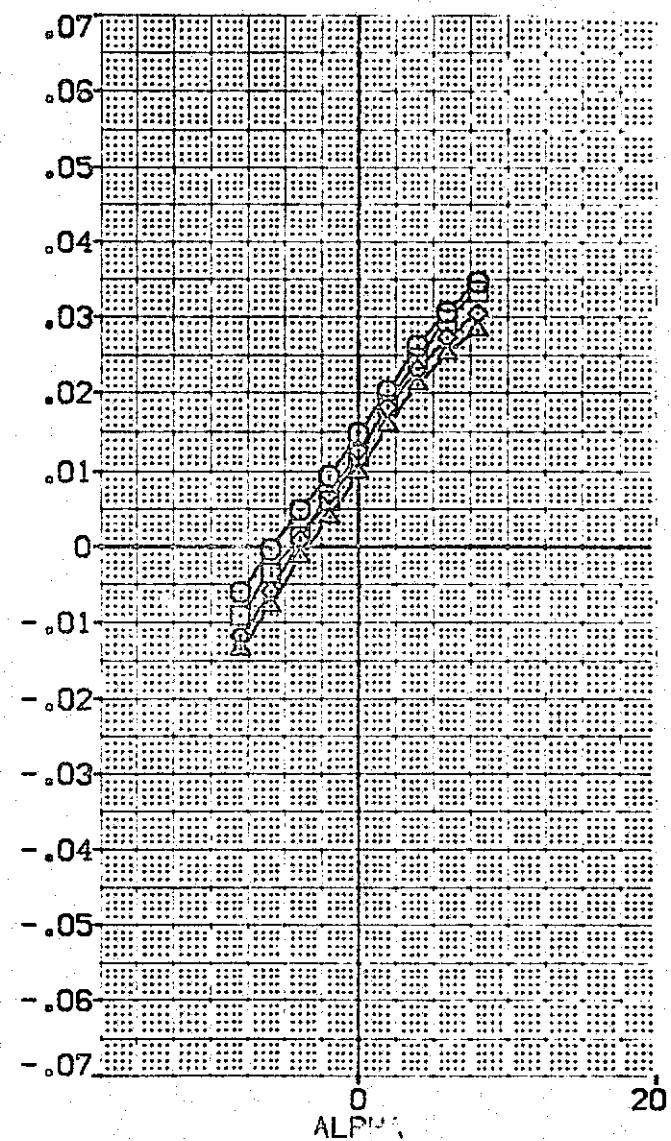
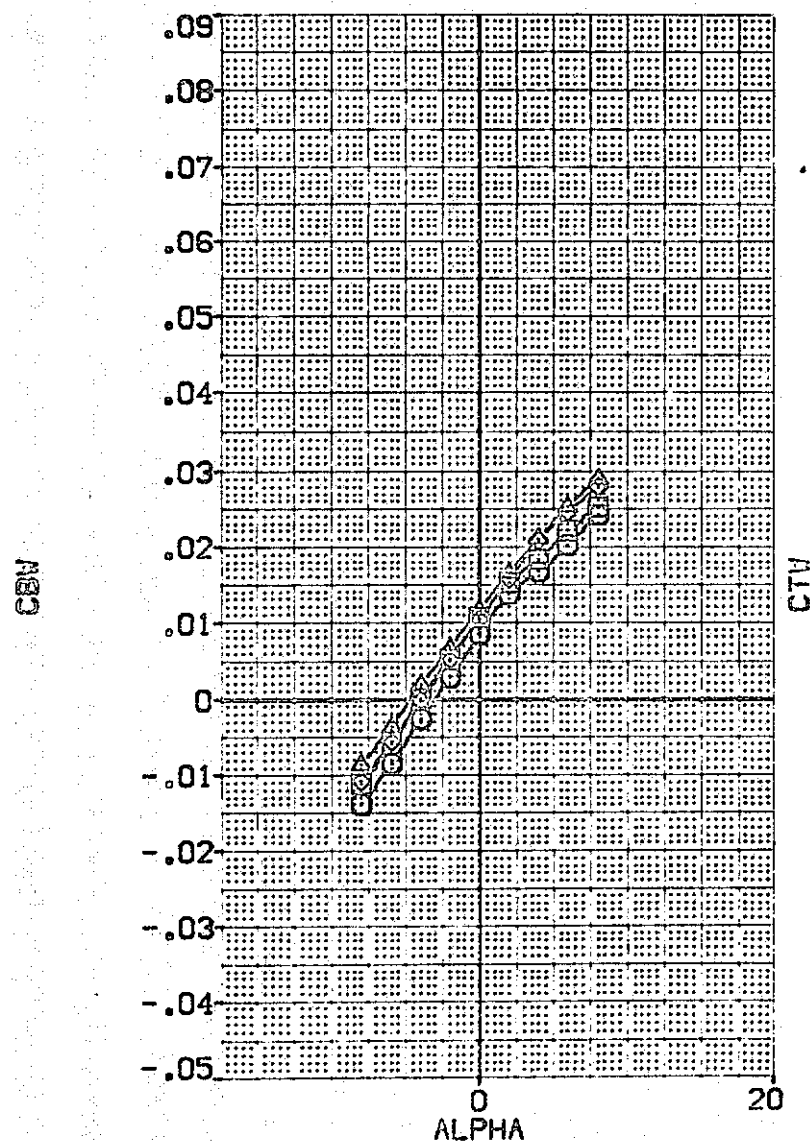


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
CAMAC = .90

DATA SET SWGL	CONFIGURATION DESCRIPTION
[A 7010]	1A70 01T125IP2P3
[A 7003]	1A70 01T125IP2P3
[AF7037]	1A70 01T125IP2P3
[AF7005]	1A70 01T125IP2P3

ELV-L1	ELV-L0	ELAP	EETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2650.0000	50.FT.
4.000	4.000	.000	.000	LREF	474.6000	IN.
8.000	4.000	.000	.000	EREF	935.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

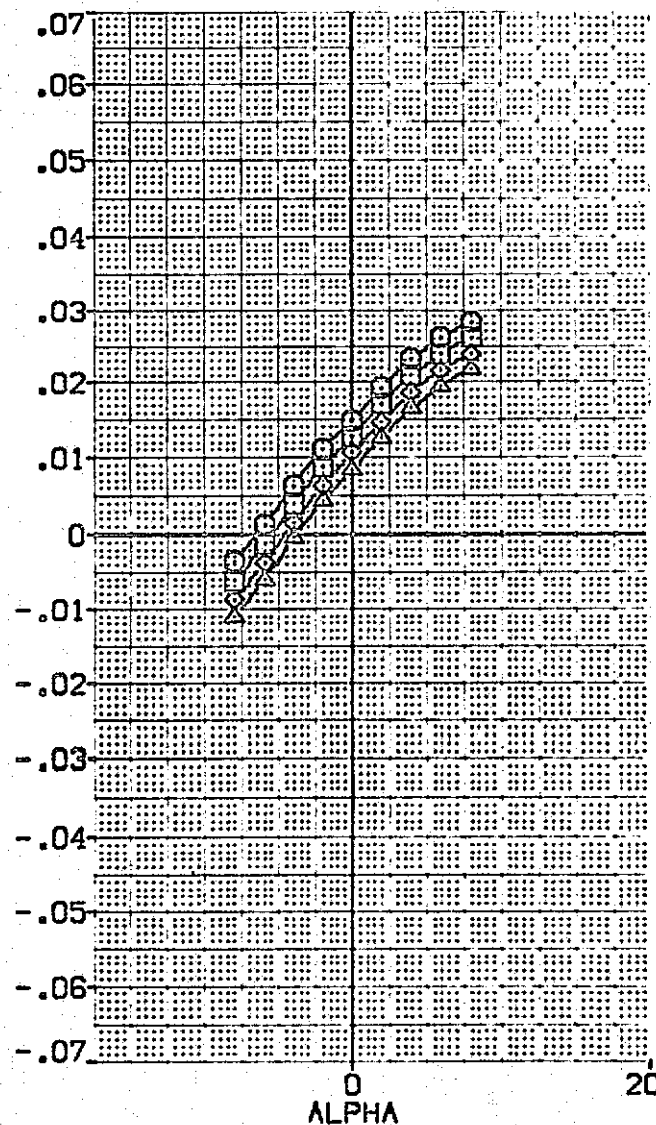
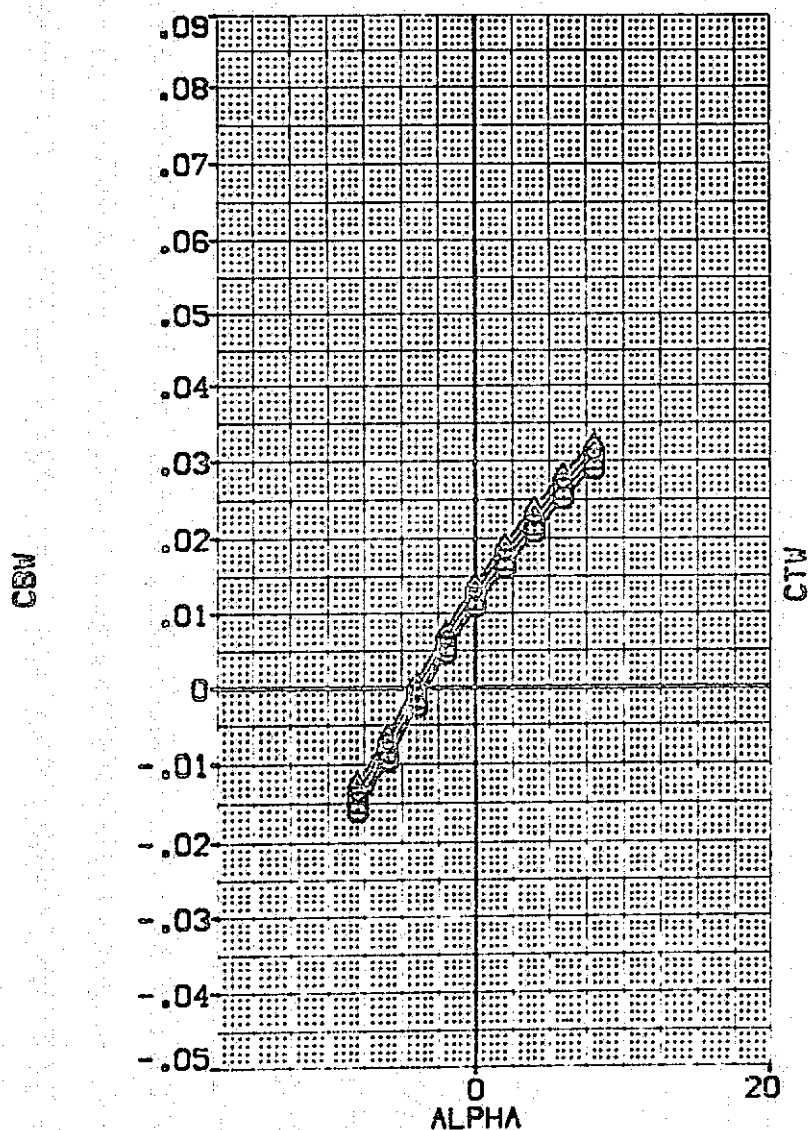


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7010)	1A70 01T12SIP2P8
(AF7009)	1A70 01T12SIP2P8
(AF7007)	1A70 01T12SIP2P8
(AF7006)	1A70 01T12SIP2P8

ELV-L1	ELV-L0	EPLAP	BETA	REFERENCE INFORMATION		
.000	4.000	.000	.000	SREF	2690.0000	50.FT.
4.000	4.000	.000	.000	LREF	474.8000	IN.
8.000	4.000	.000	.000	BREF	936.7000	IN.
12.000	4.000	.000	.000	XMRF	.0000	IN. XT
				YMRF	.0000	IN. YT
				ZMRF	.0000	IN. ZT
				SCALE	.0150	

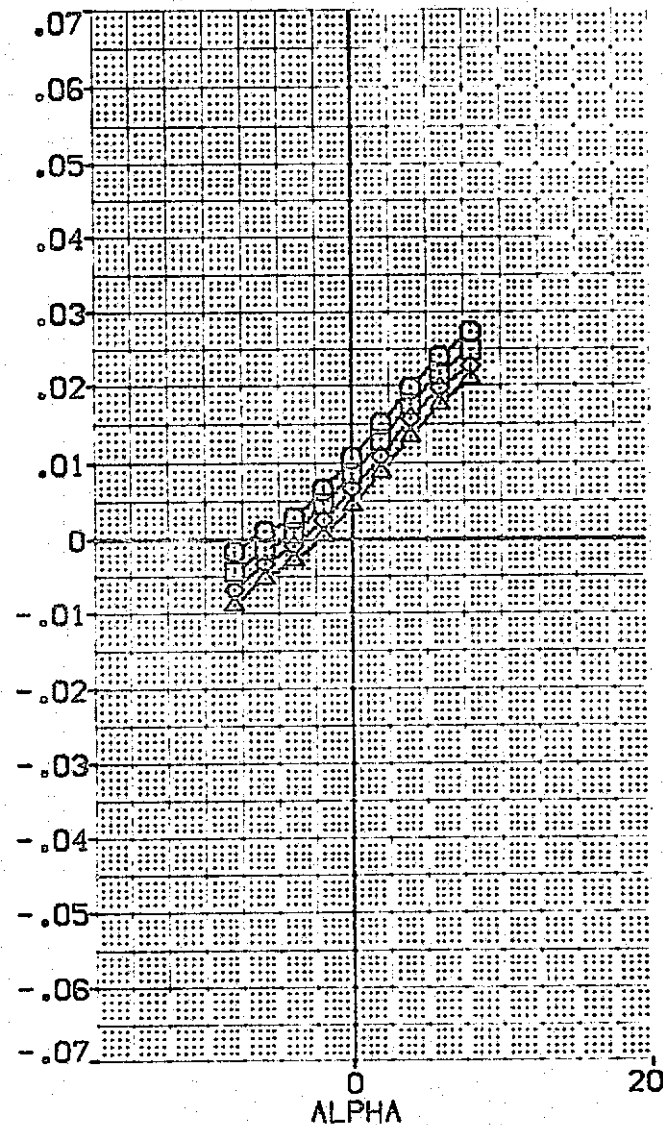
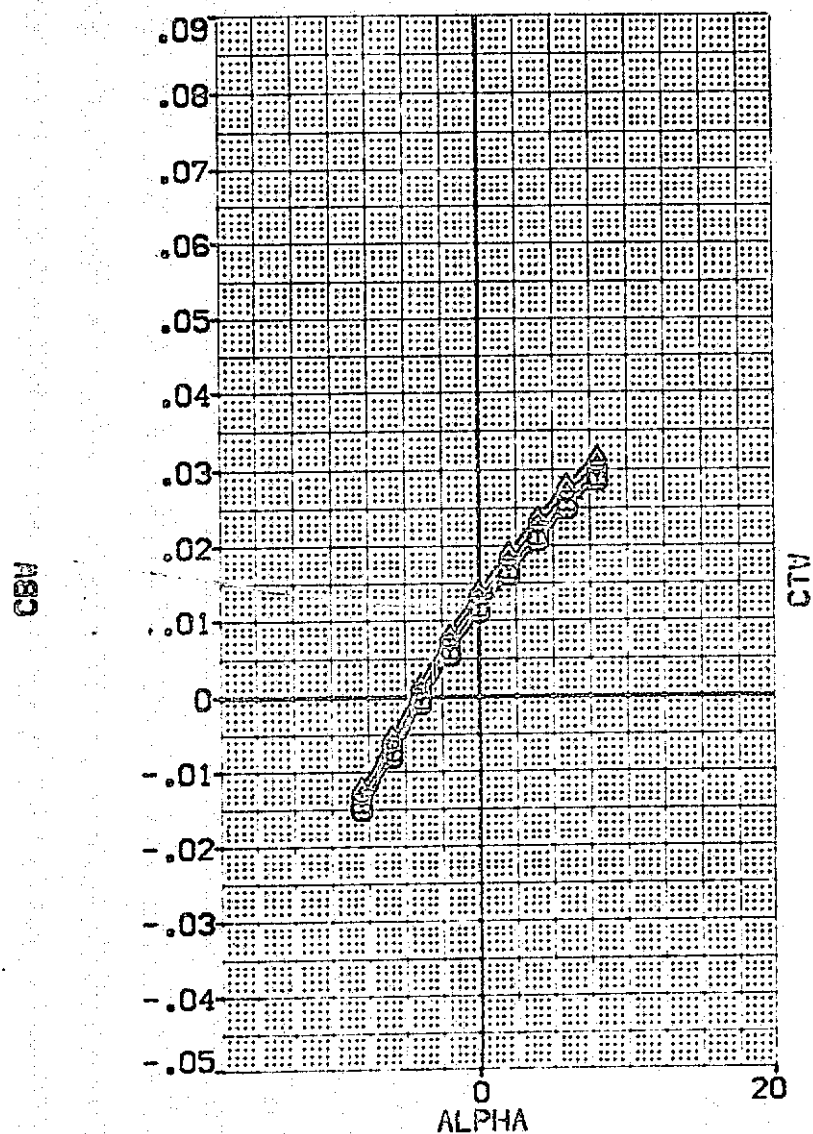


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
(C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010]	□	DATA NOT AVAILABLE
[AF7003]	○	1A70 01T12SIP2F3
[AF7007]	◇	1A70 01T12SIP2F3
[AF7006]	△	1A70 01T12SIP2F3

ELV-L1	ELV-L8	CLAP	BETA	REFERENCE INFORMATION	
.000	4.000	.000	.000	SREF	2650.0000 SQ.FT.
4.000	4.000	.000	.000	LREF	474.6000 IN.
8.000	4.000	.000	.000	SREF	936.7000 IN.
12.000	4.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

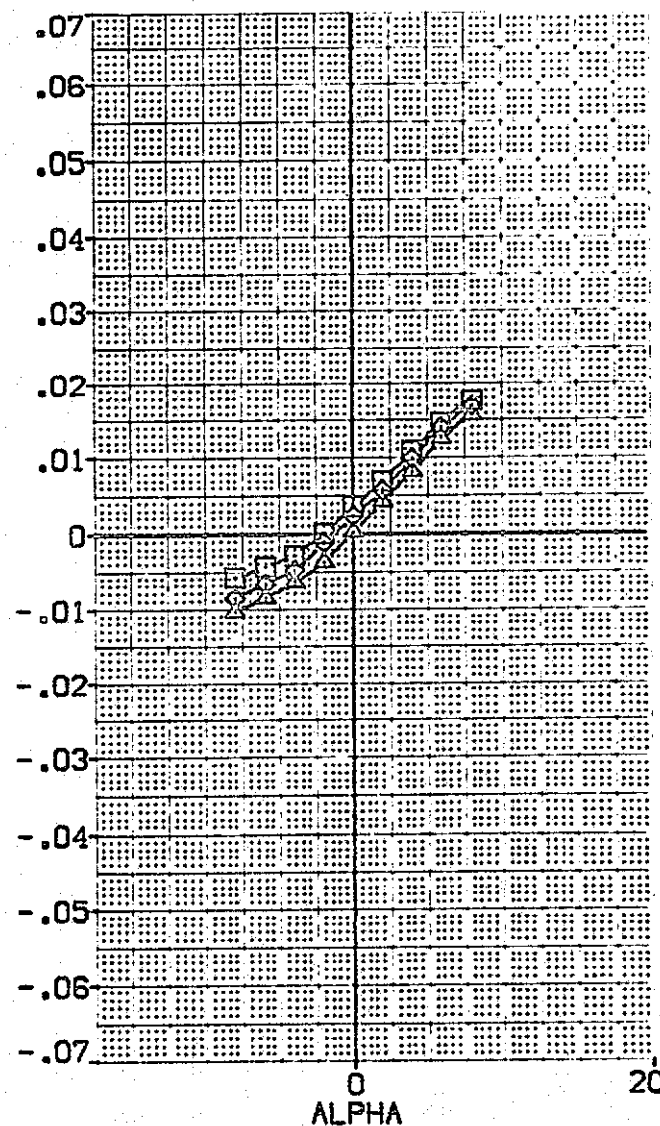
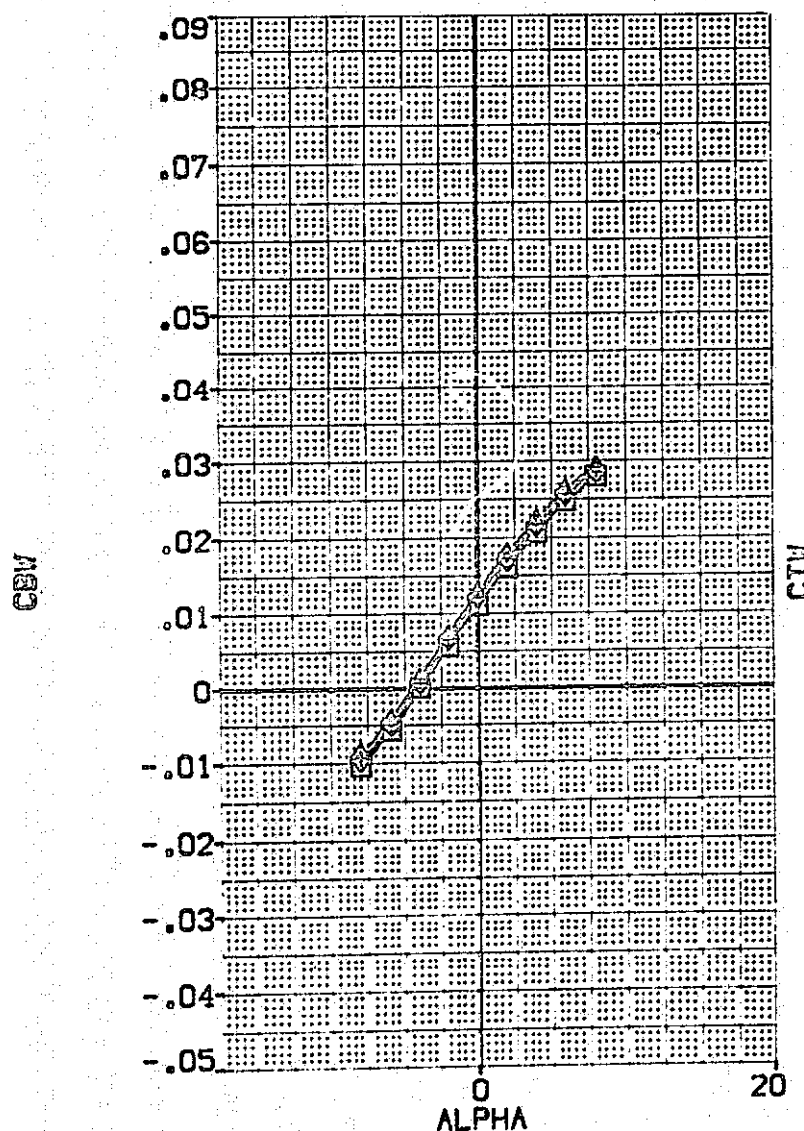


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4
(D)MACH = 1.50

IA70 01T12S1P2P8

(AF7010)

SWEEP
○
□
◇
△
▽

ALPHA
-8.000
-6.000
-4.000
-2.000
.000

MACH
ELV-LQ
ELV-RQ

PARAMETRIC VALUES
.900
4.000
4.000
ESTA
ELV-RI
EFLAP

.000
.000
.000
DATASET
AF7010
AF7007

DATA SOURCE
ELV-LI
.000
9.000
DATASET
AF7009
AF7008

ELV-LI
4.000
12.000

REFERENCE INFORMATION
SREF 2650.0000
LREF 474.8000
BREF 936.7000
XMRP .0000
YMRP .0000
ZMRP .0000
SCALE .0150
SQ.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

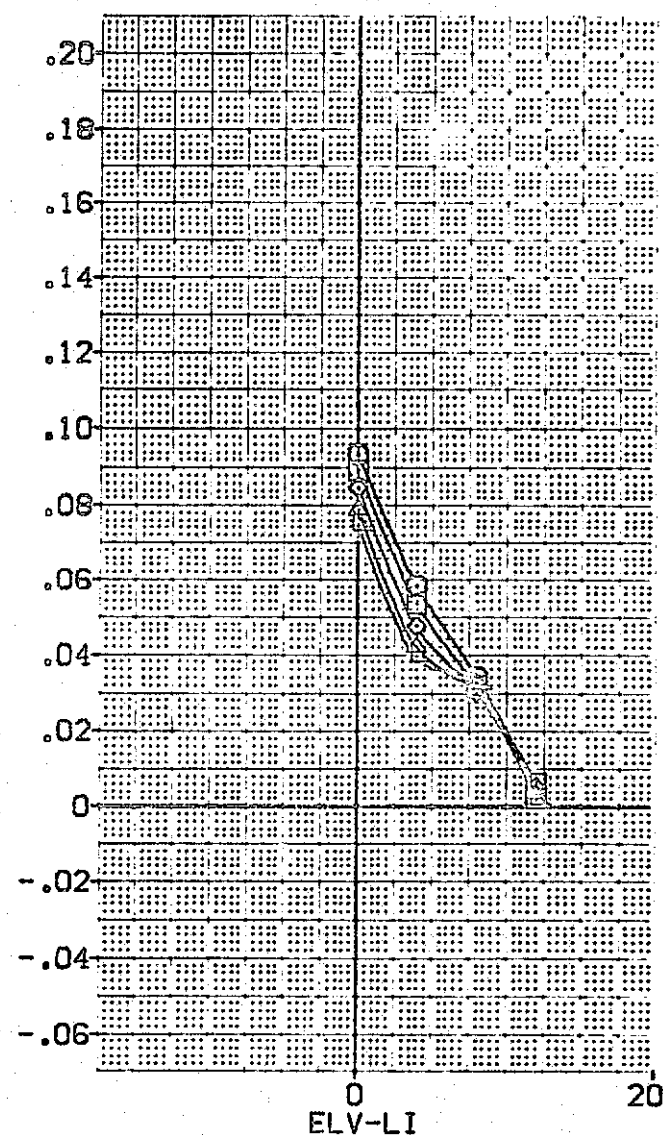
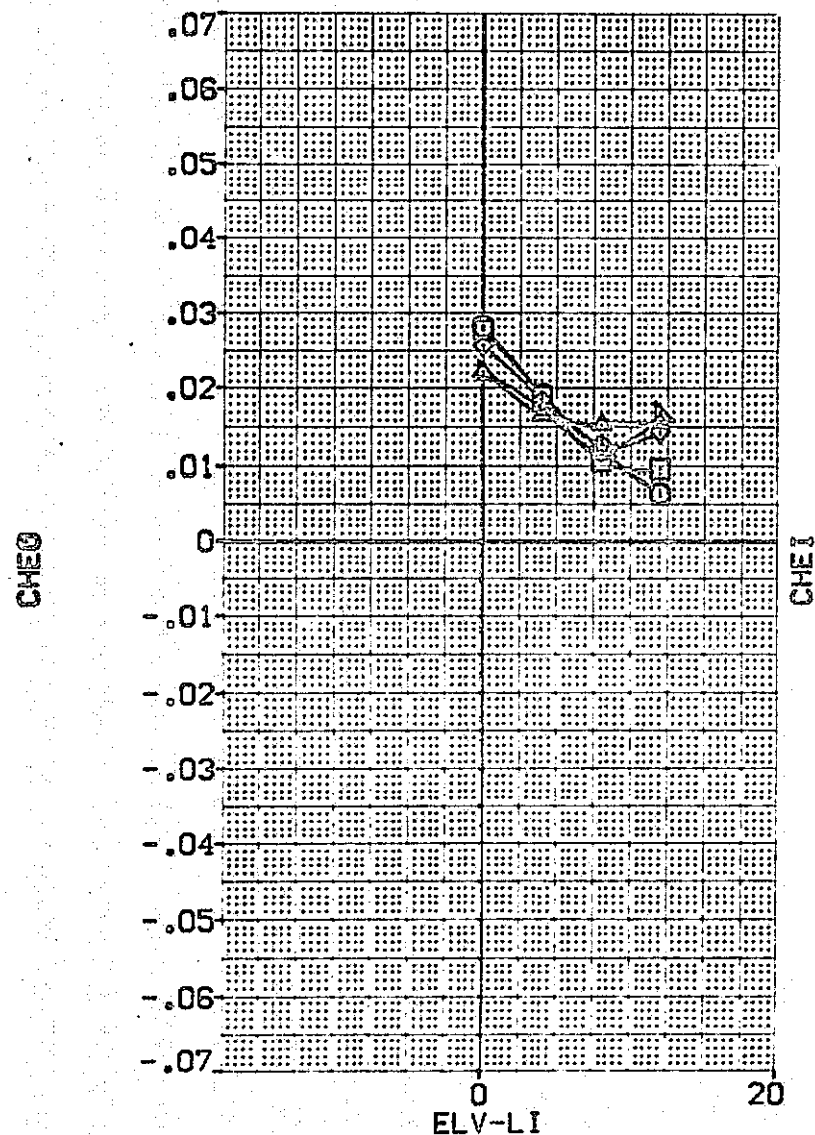


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

OVERALL	ALPHA	HACH	PARAMETRIC VALUES	.000	DATASET	ELV-LI	DATASET	ELV-LI	SREF	2850.0000	50.FT.
○	2.000	HACH	.000	BETA	.000	AF7010	4.000	AF7009	LR2F	474.0000	IN.
□	4.000	ELV-LG	4.000	ELV-RI	.000	AF7007	0.000	AF7005	EREF	935.7000	IN.
◇	6.000	ELV-RD	4.000	EFLAP	.000				XMRP	.0000	IN. XT
△	8.000								YMRP	.0000	IN. YT
									ZMRP	.0000	IN. ZT
									SCALE	.0150	

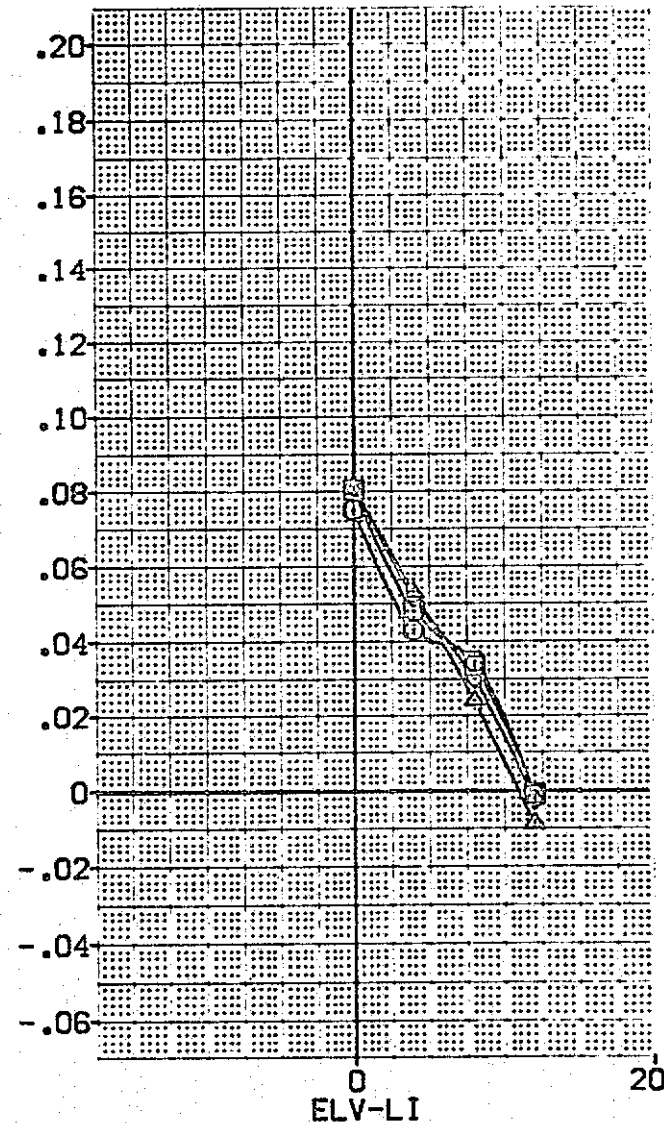
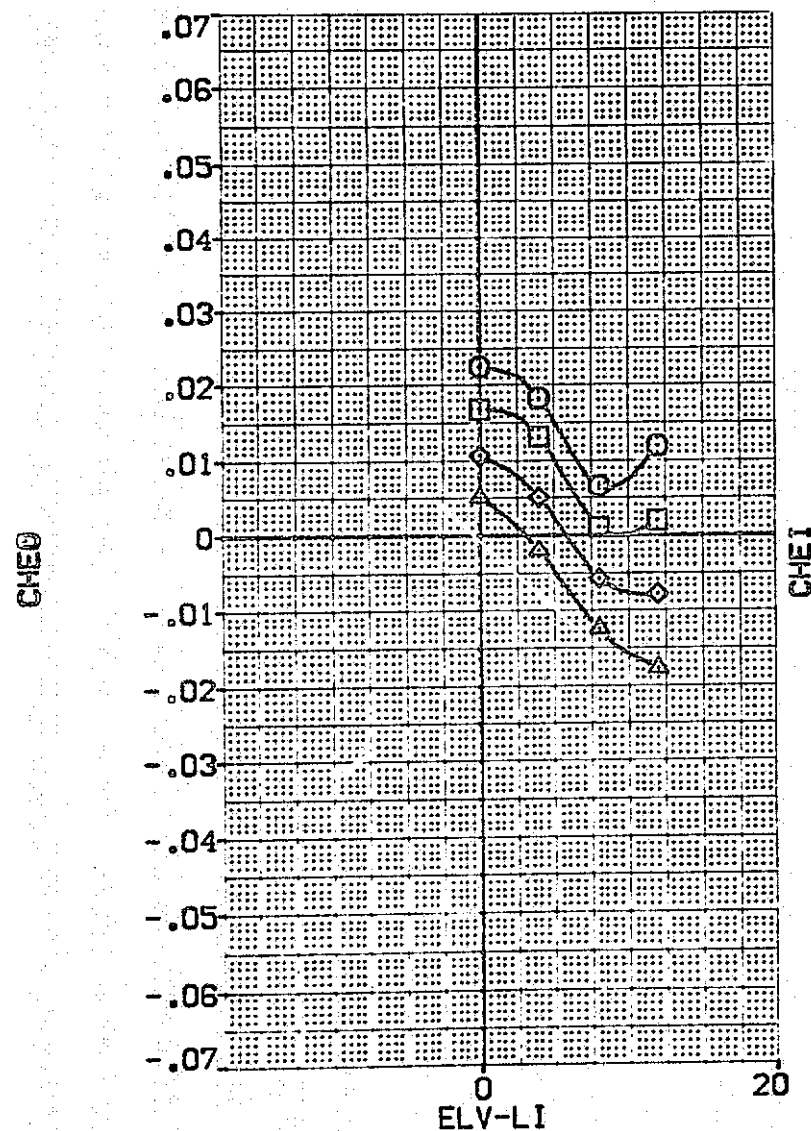


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

IA70 01T12S1P2P8

(AF7010)

SYMBOL



ALPHA

-3.000
-6.000
-4.000
-2.000
.000

HACH
ELV-LG
ELV-RG

PARAMETRIC VALUES

1.120 BETA
4.000 ELV-RI
4.000 EFLAP

.000 DATASET
.000 AF7010
.000 AF7007

DATA SOURCE

ELV-LI
.000
0.000

DATASET
AF7009
AF7006

ELV-LI
4.000
12.000

SREF
LREF
EREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2650.0000 SQ.FT.
474.6000 IN.
935.7000 IN.
.0000 IN. XT
.0000 IN. YT
.0000 IN. ZT
.0150

CHEG

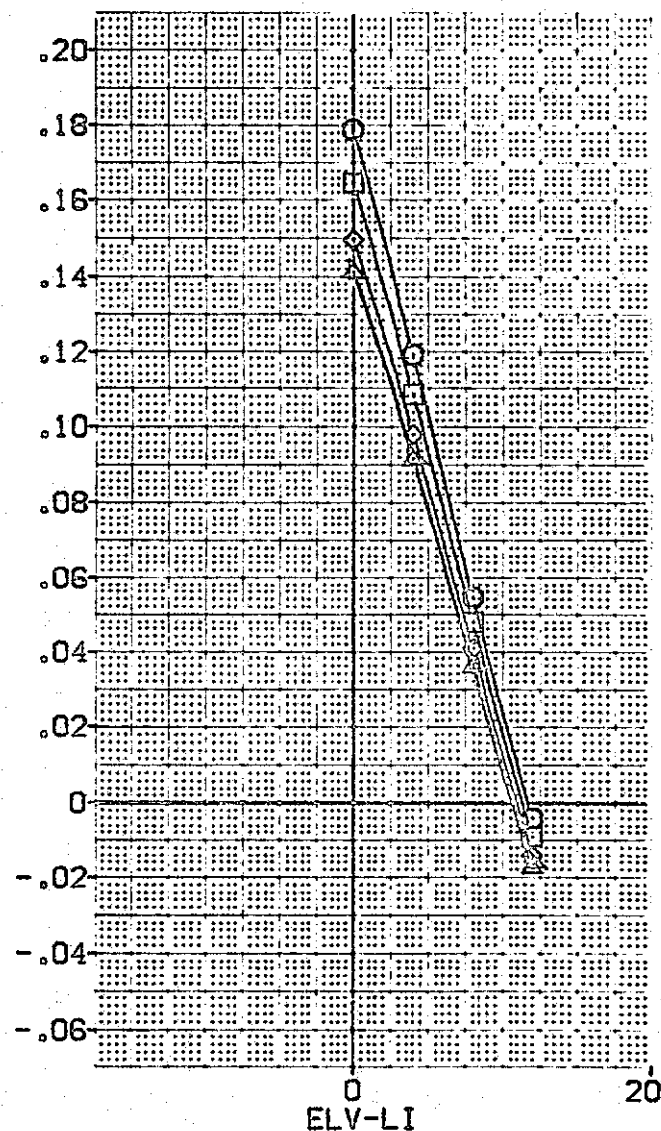
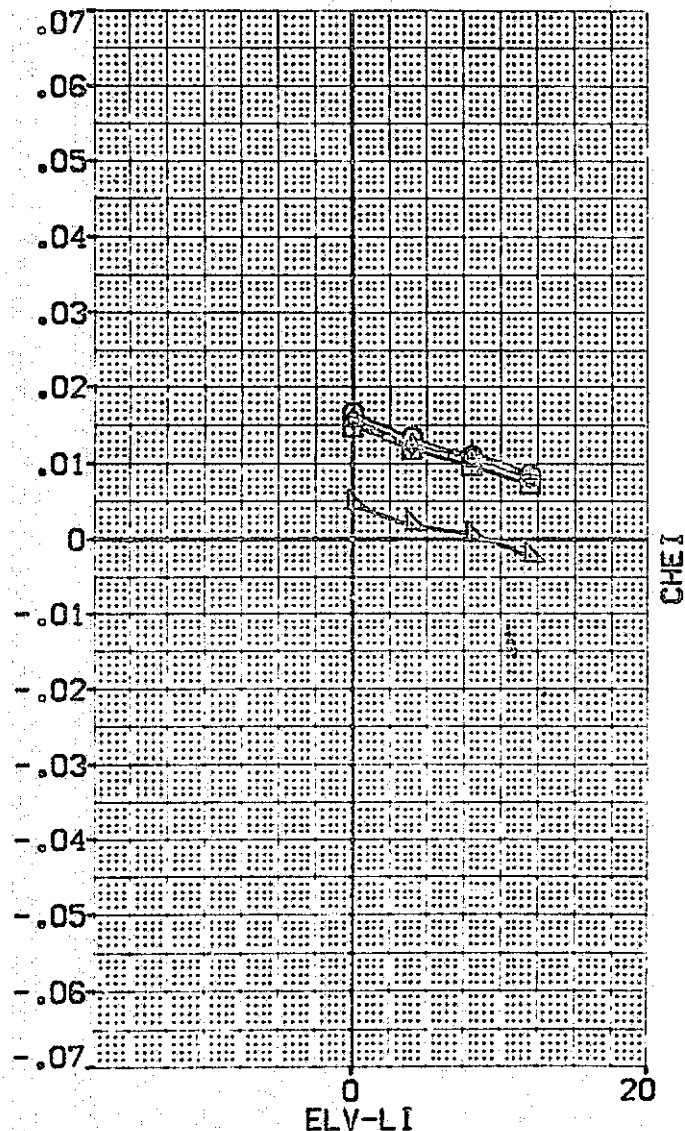


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

SWEEP	ALPHA		PARAMETRIC VALUES			DATA SOURCE			REFERENCE INFORMATION			
○	2.000	MACH	1.120	BETA	.000	DATASET	ELV-LI	DATASET	ELV-LI	SRZF	2850.0000	53.FT.
□	4.000	ELV-LB	4.000	ELV-RI	.000	AF7010	.000	AF7009	4.000	LREF	474.0000	IN.
◇	6.000	ELV-RB	4.000	EFLAP	.000	AF7007	0.000	AF7005	12.000	BREF	933.7000	IN.
△	8.000									YMRP	.0000	IN. XT
										YMRP	.0000	IN. YT
										ZMRP	.0000	IN. ZT
										SCALE	.0150	

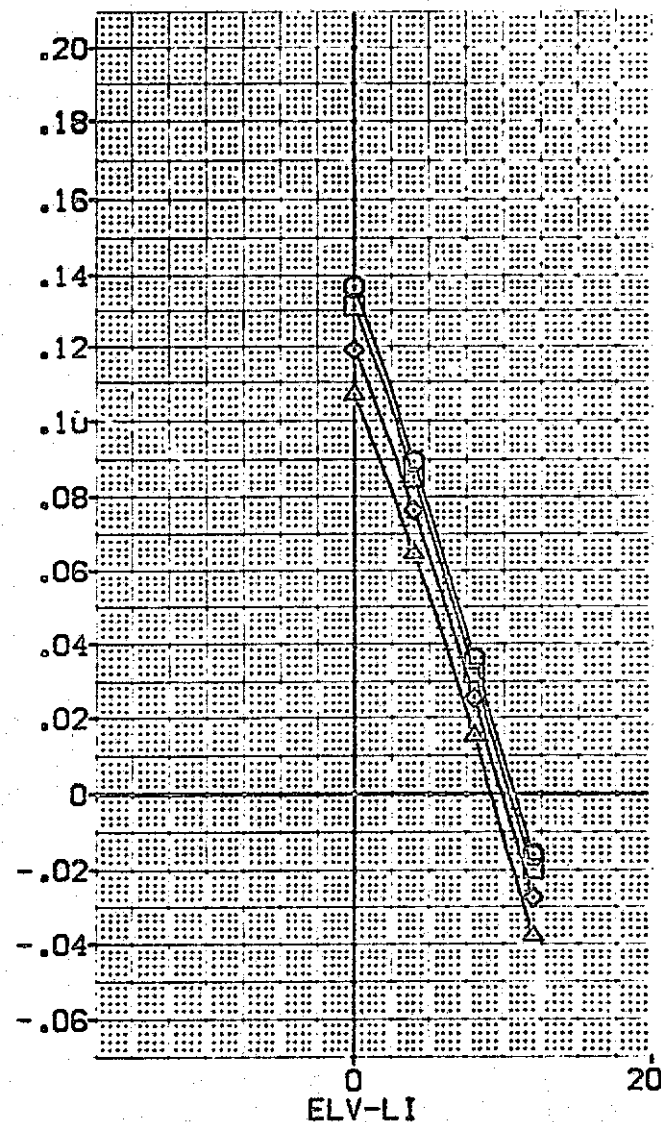
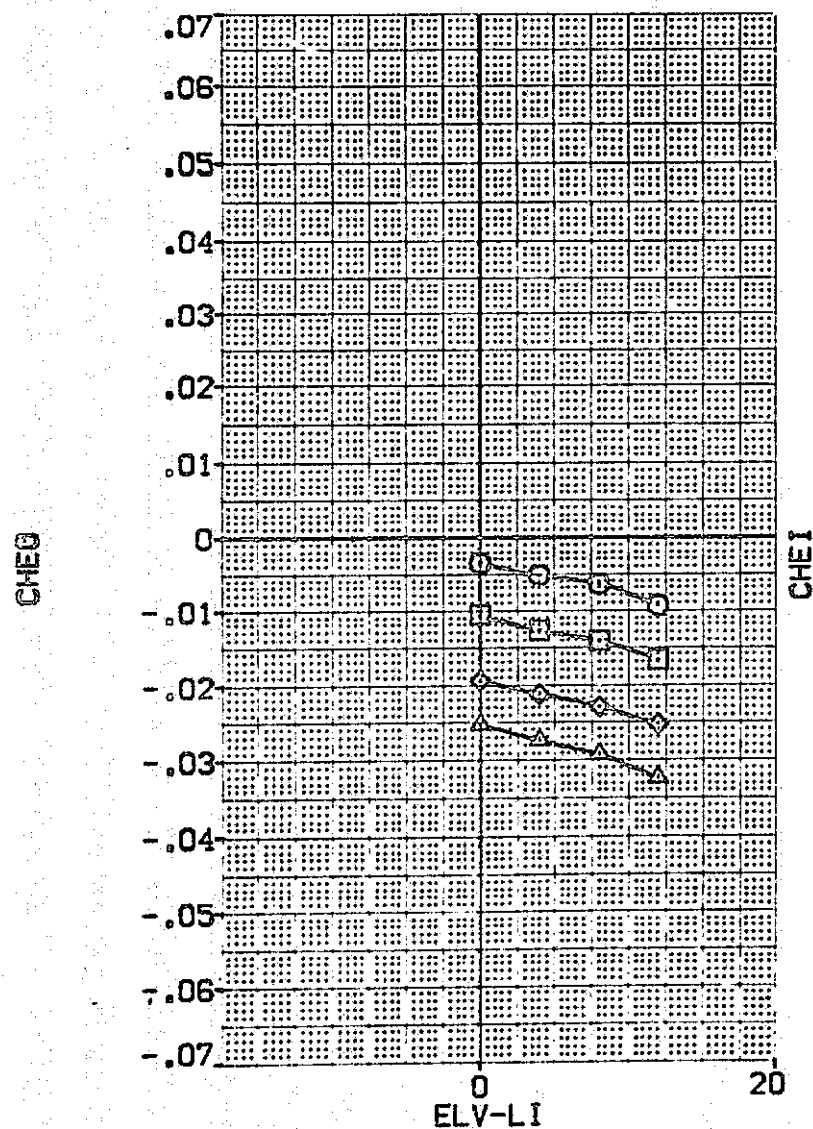


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

1A70 01T12S1P2P8

(AF7010)

SYMBOL

○
□
◇
△
▽

ALPHA

-3.000

HACH

PARAMETRIC VALUES

1.240

ETA

.000 DATASET

DATA SOURCE

ELV-LI

DATASET

ELV-LI

REFERENCE INFORMATION

SREF

2330.0000

SQ.FT.

-6.000

ELV-LG

4.000

ELV-RI

.000 AF7010

.000

AF7009

4.000

LREF

474.8000

IN.

-4.000

ELV-RQ

4.000

EFLAP

.000 AF7007

0.000

AF7006

12.000

EREF

925.7000

IN.

-2.000

XMRP

.0000

IN. XT

.000

YMRP

.0000

IN. YT

ZMRP

.0000

IN. ZT

SCALE

.0150

CHEG

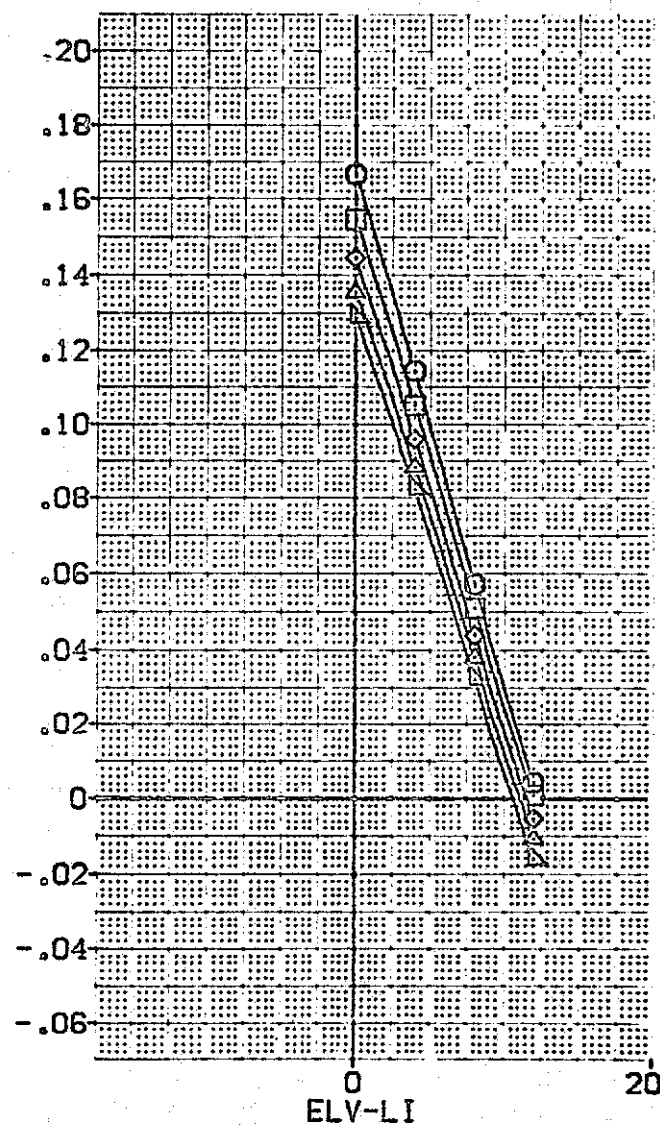
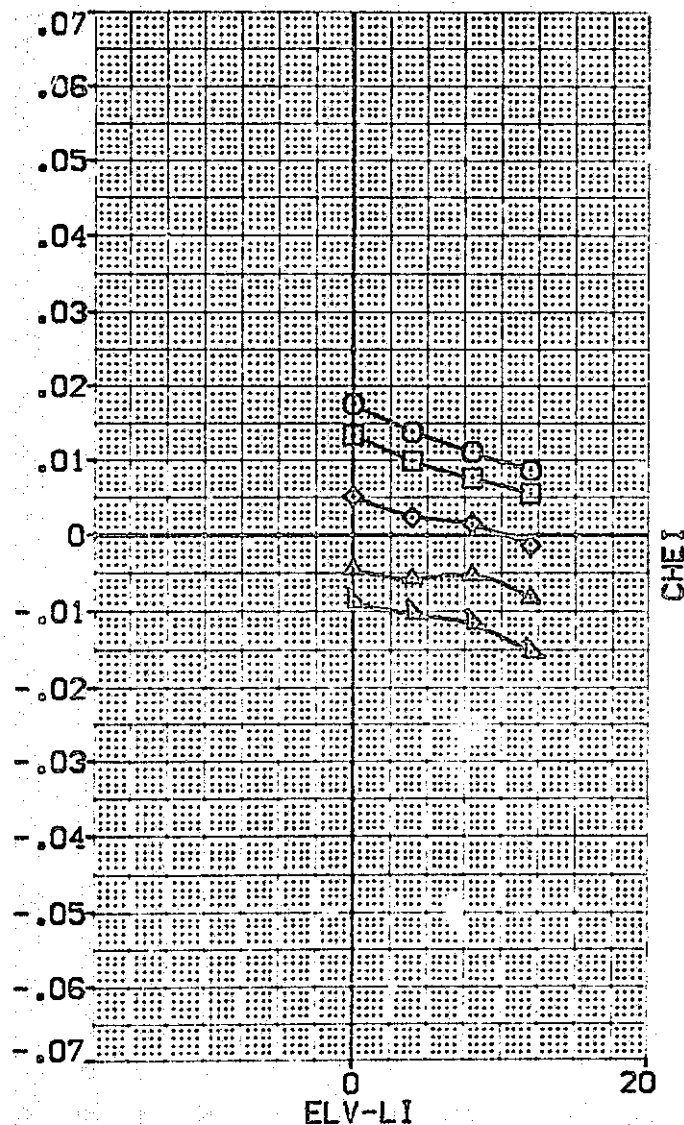


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

SYMBOL
○
□
◇
△

ALPHA
2.000
4.000
6.000
8.000

WACH
ELV-LI
ELV-RI
ELV-RD

PARAMETRIC VALUES
1.240 ESTA
4.000 ELV-RI
4.000 EFLAP

.000 DATASET
.000 AF7010
.000 AF7007

DATA SOURCE
ELV-LI
.000
6.000

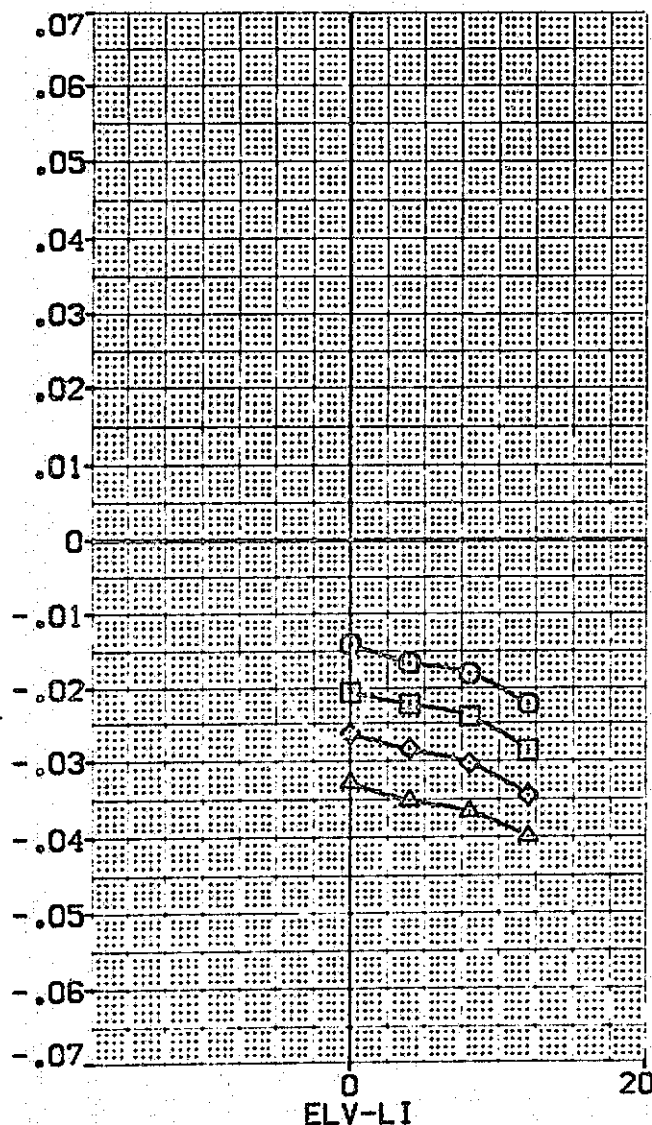
DATASET
AF7009
AF7005

ELV-LI
4.000
12.000

REFERENCE INFORMATION
SREF 2530.0000
LREF 474.6000
EREF 963.7000
XMRP .0000
YMRP .0000
ZMRP .0000
SCALE .0150

SO.FT.
IN.
IN.
IN. XT
IN. VT
IN. ZT

CHEO



CHEI

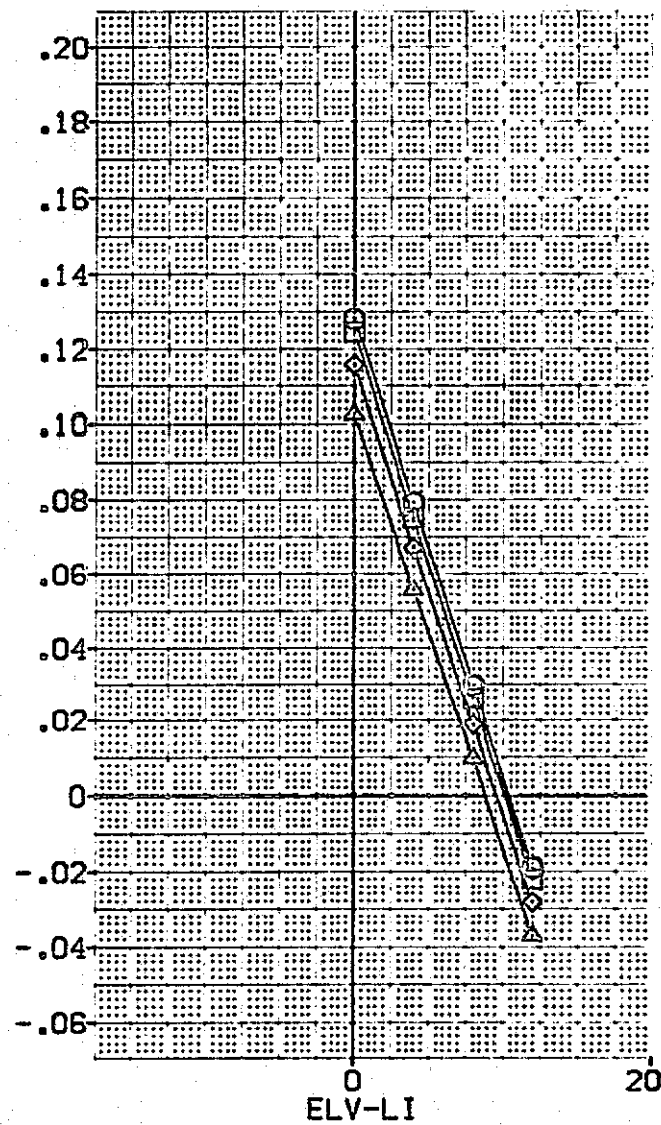


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

○
 □
 ◇
 △
 ▽

ALPHA
 -9.000
 -6.000
 -4.000
 -2.000
 .000

HACH
 ELV-LB
 ELV-RB

PARAMETRIC VALUES
 1.500 CETA
 4.000 ELV-RI
 4.000 EFLAP

.000 DATASET
 .000 AF7010
 .000 AF7007

DATA SOURCE
 ELV-LI
 .000
 0.000

DATASET
 AF7009
 AF7005

ELV-LI
 4.000
 12.000

SREF
 LREF
 EREF
 XMAP
 YMAP
 ZMAP
 SCALE

REFERENCE INFORMATION
 2650.0000 SQ.FT.
 474.0000 IN.
 925.7000 IN.
 .0000 IN. XT
 .0000 IN. YT
 .0000 IN. ZT
 .0150

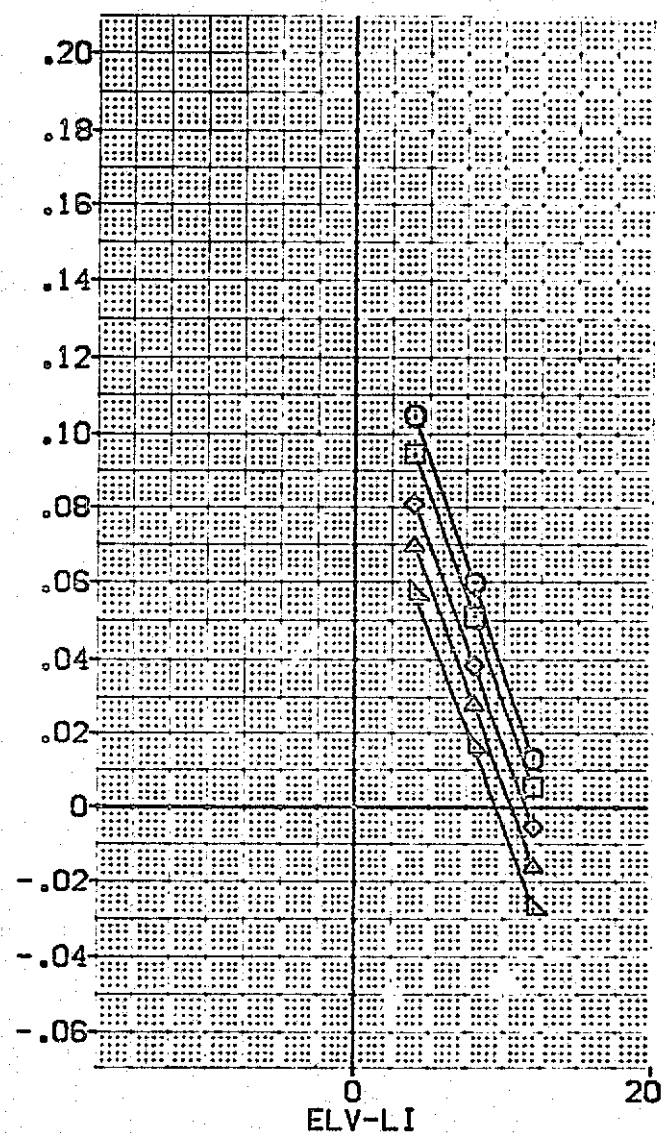
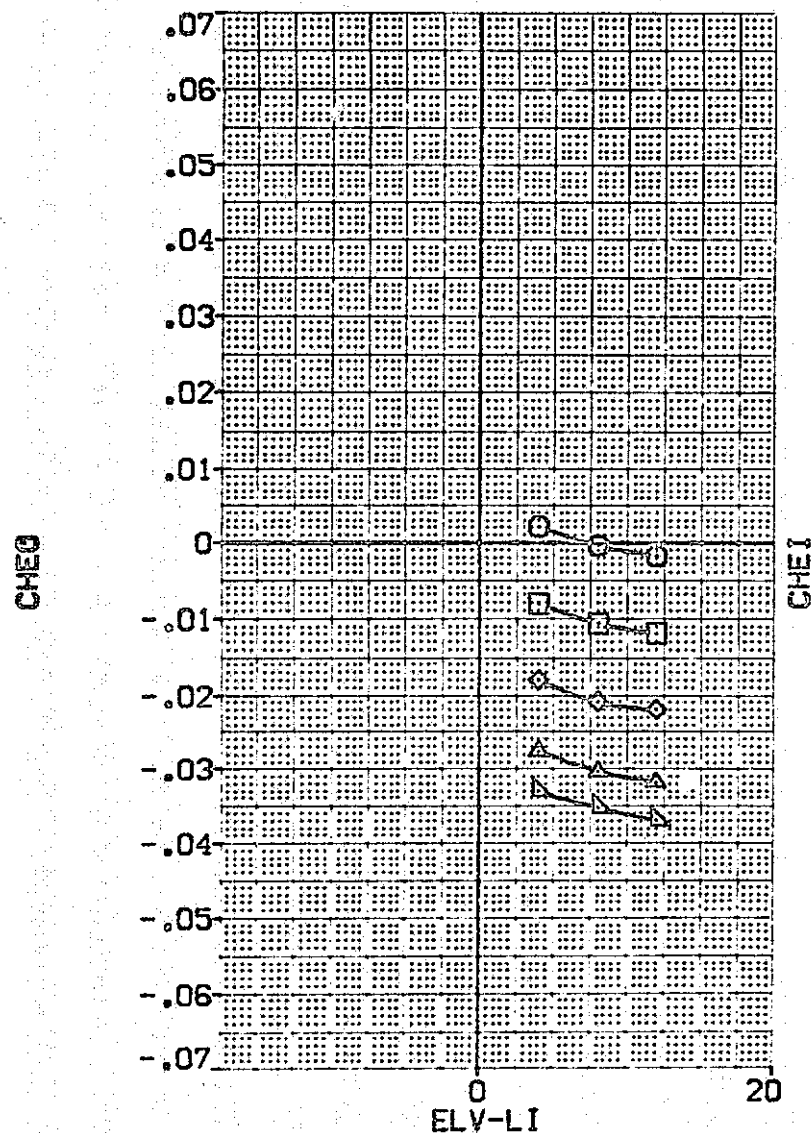


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

GWEGL		ALPHA		PARAMETRIC VALUES		DATA SOURCE				REFERENCE INFORMATION			
○	2.000	HACH	1.500	BETA	.000	DATASET	ELV-LI	DATASET	ELV-LI	SNRF	2650.0000	50.FT.	
□	4.000	ELV-LB	4.000	ELV-RI	.000	AF7010	.000	AF7009	4.000	LNRF	474.6000	IN.	
◇	6.000	ELV-RJ	4.000	BFLAP	.000	AF7007	8.000	AF7005	12.000	BRF	535.7000	IN.	
△	8.000									XYRP	.0000	IN. XT	
										YMRP	.0000	IN. YT	
										ZMRP	.0000	IN. ZT	
										SCALE	.015L		

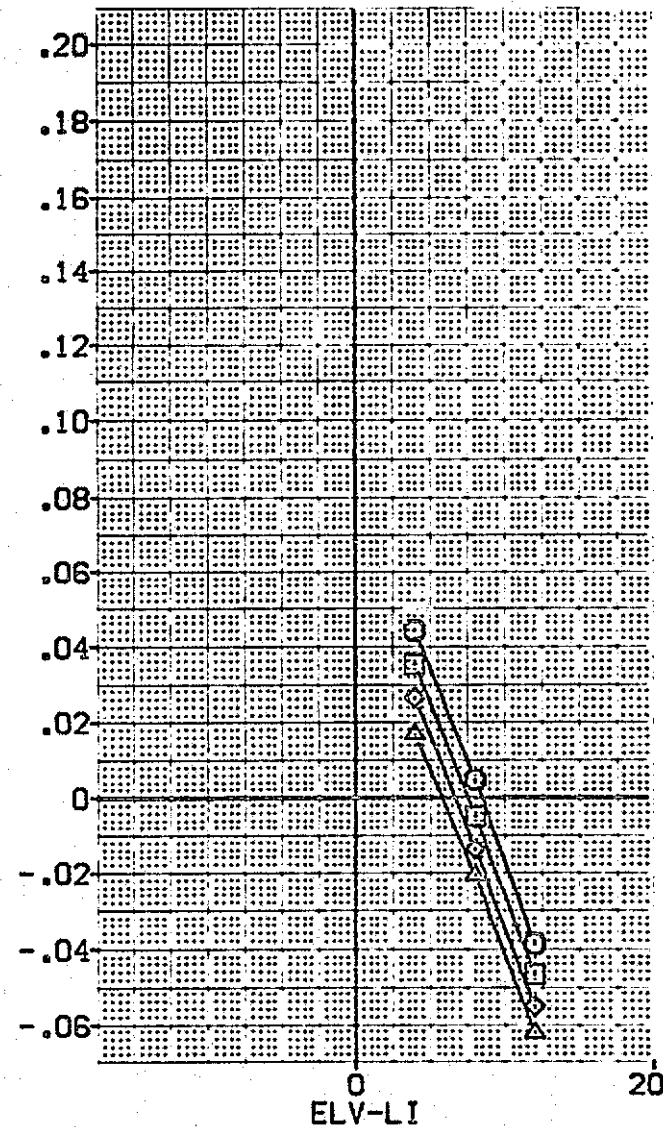
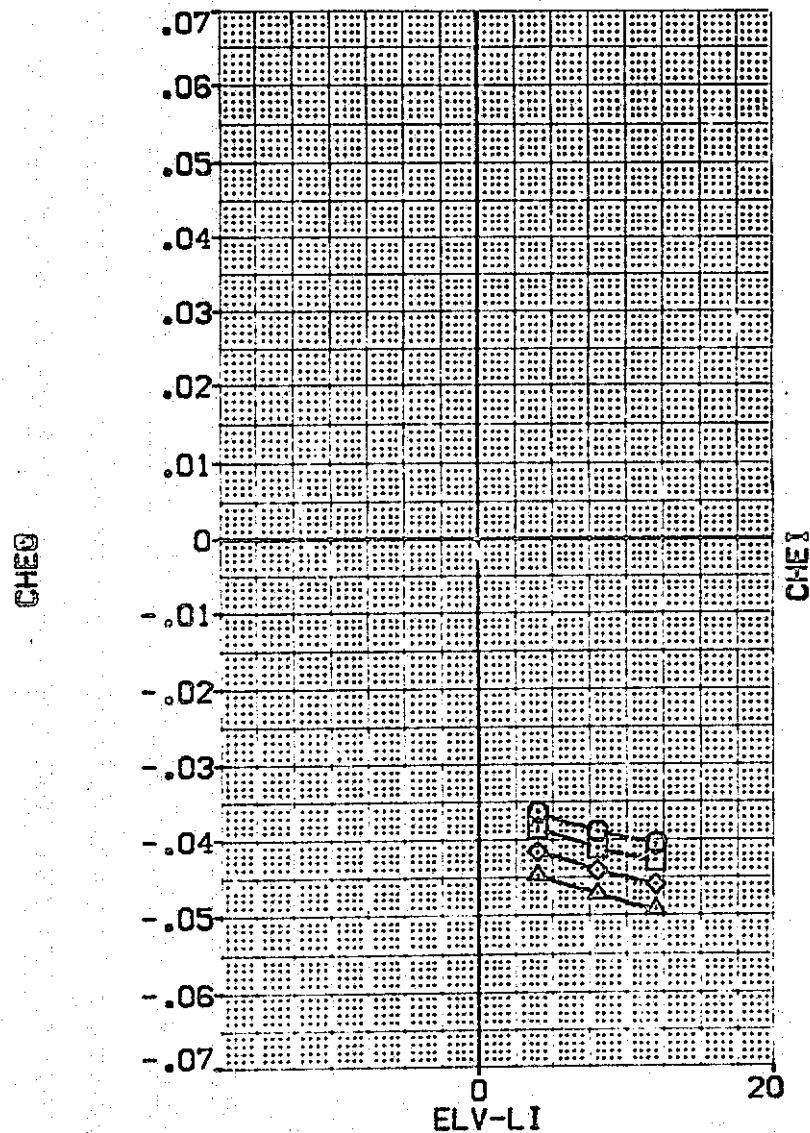


FIG 6 ELEVON EFFECTIVENESS, OTBD ELEVON = 4

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {ZF7016} □ 1A70 81712S1P2F3
 {ZF7021} □ 1A70 81712S1P2F3

ELV-L1	ELV-L8	EFLAP	BETA	REFERENCE INFORMATION		
0.000	-4.000	.000	.000	SREF	2530.0000	SQ.FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
				BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

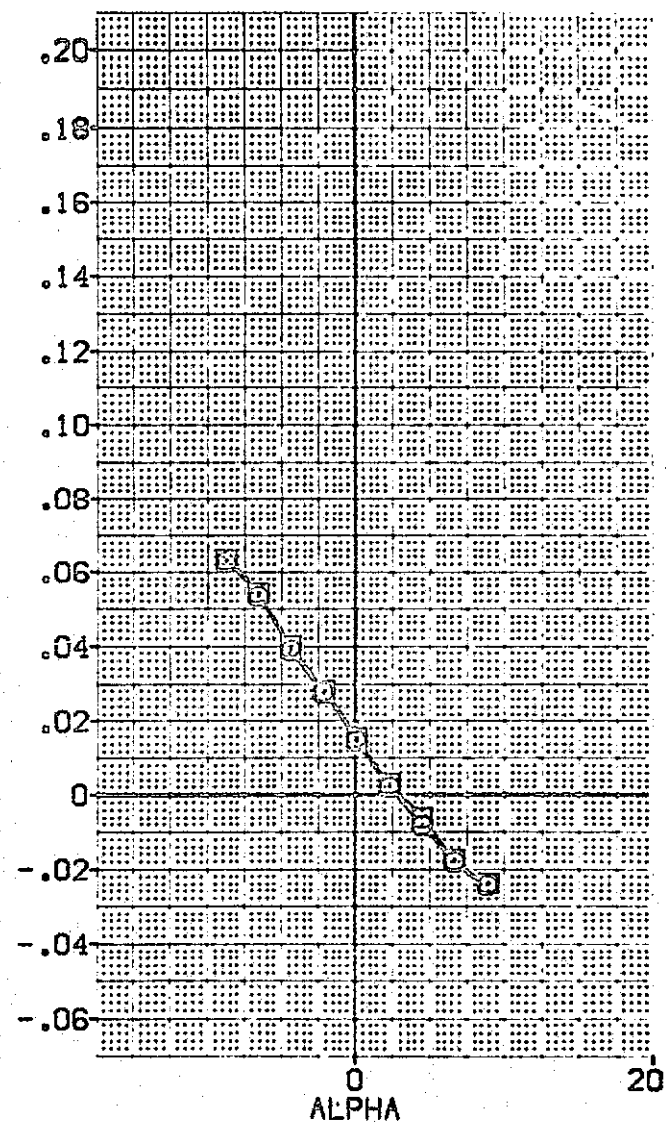
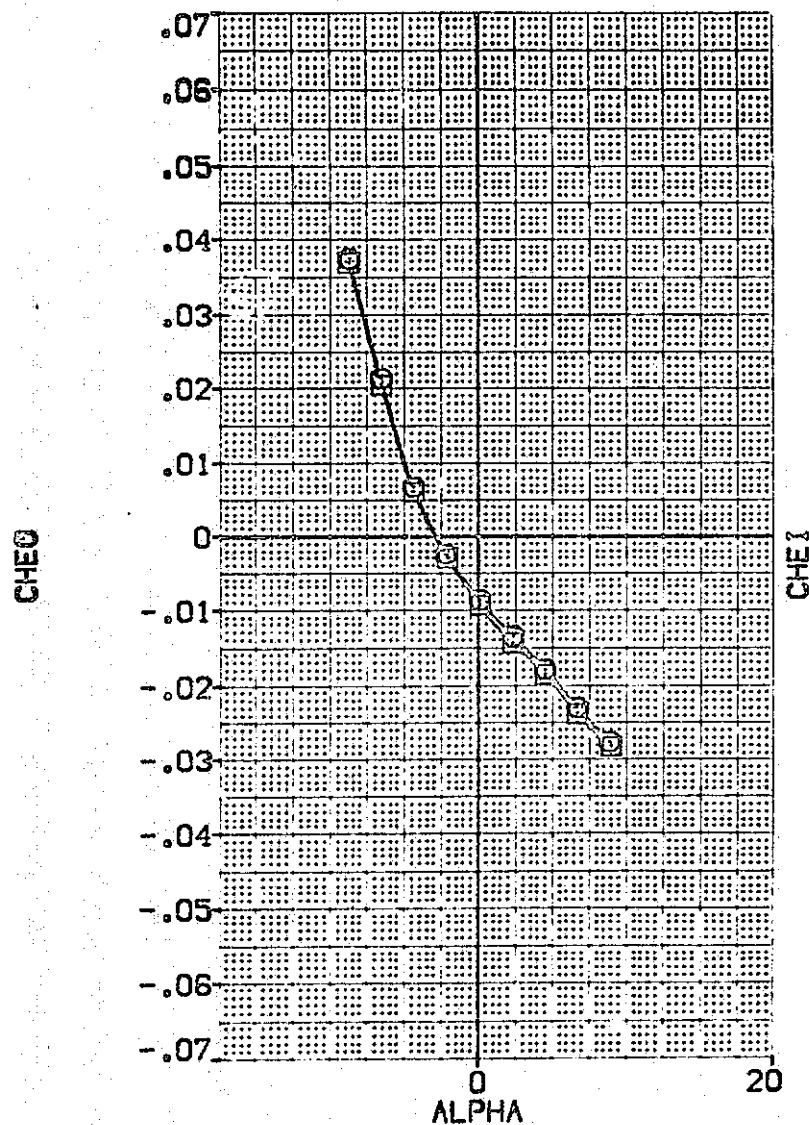


FIG 7 REPEATABILITY
 (A)MACH = 1.50

DATA SET SVREF. CONFIGURATION DESCRIPTION
 (Z7016) 0 1A70 01T1231F2P3
 (Z7021) 1 1A70 01T1231F2P3

ELV-L1 ELV-L2 EFLAP ESTA
 0.000 -4.000 .000 .000
 0.000 -4.000 .000 .000

REFERENCE INFORMATION
 SREF 2890.0000 SQ.FT.
 LREF 474.6000 IN.
 BREF 906.7000 IN.
 XMRP .0000 IN. XT
 YMRP .0000 IN. YT
 ZMRP .0000 IN. ZT
 SCALE .0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

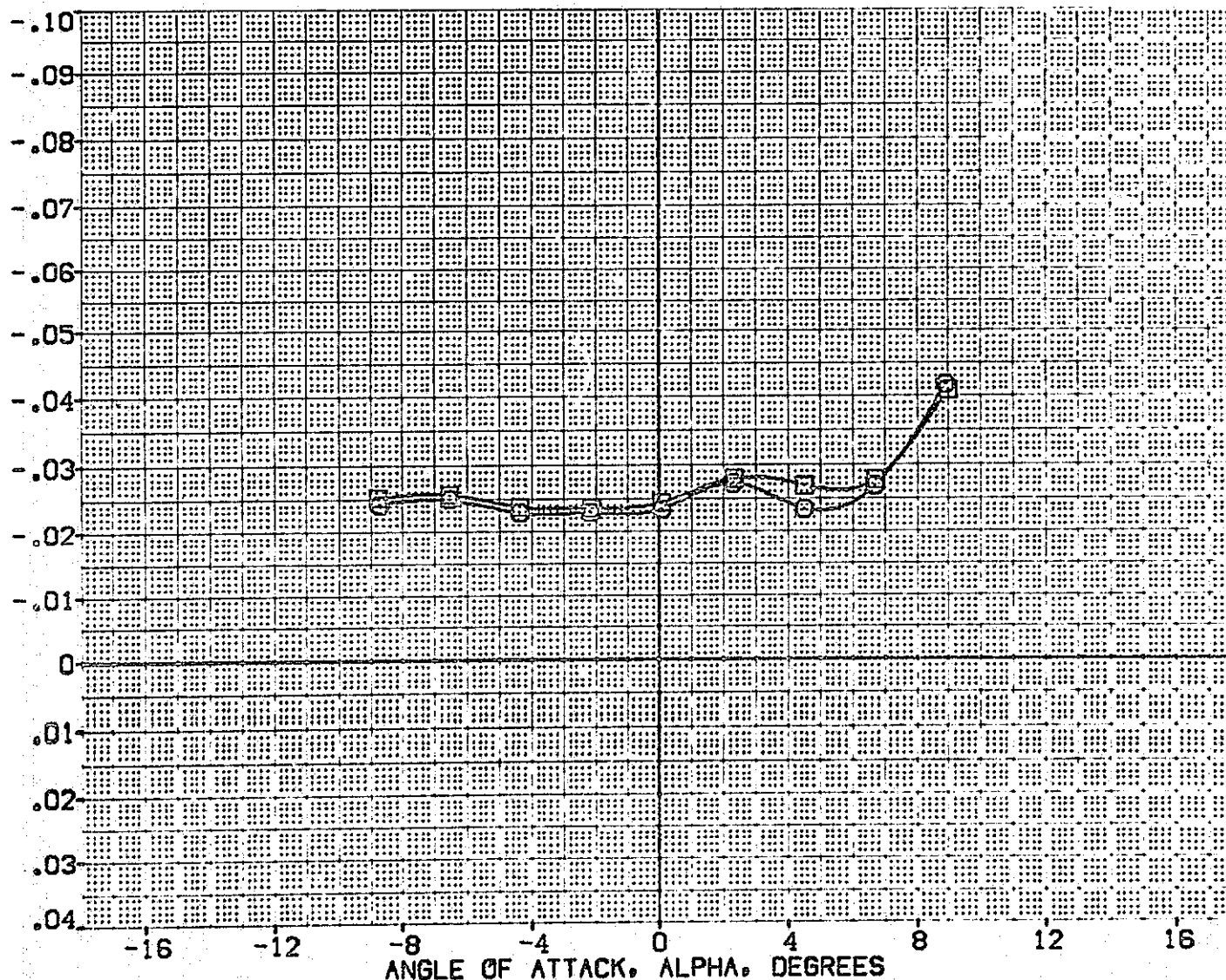


FIG 7 REPEATABILITY
 (A)MACH = 1:50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ZF7016) ☐ 1A70 01T125IP2P8
 (ZF7021) ☐ 1A70 01T125IP2P8

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
8.000	-4.000	.000	.000	SREF	2650.0000	93.FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
				EREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

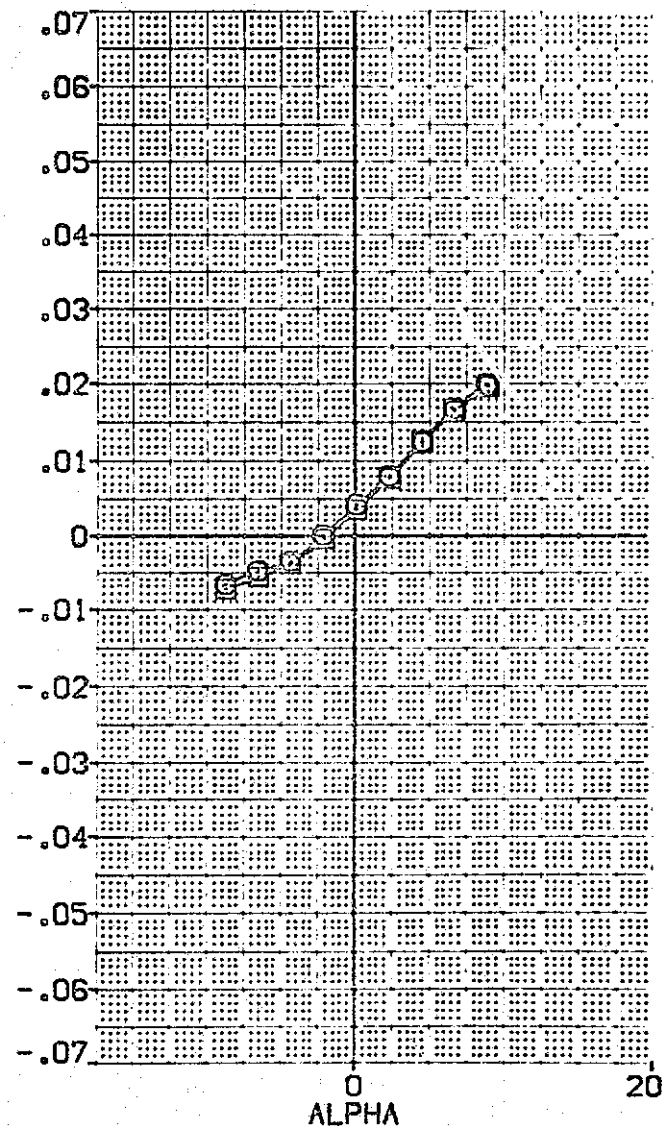
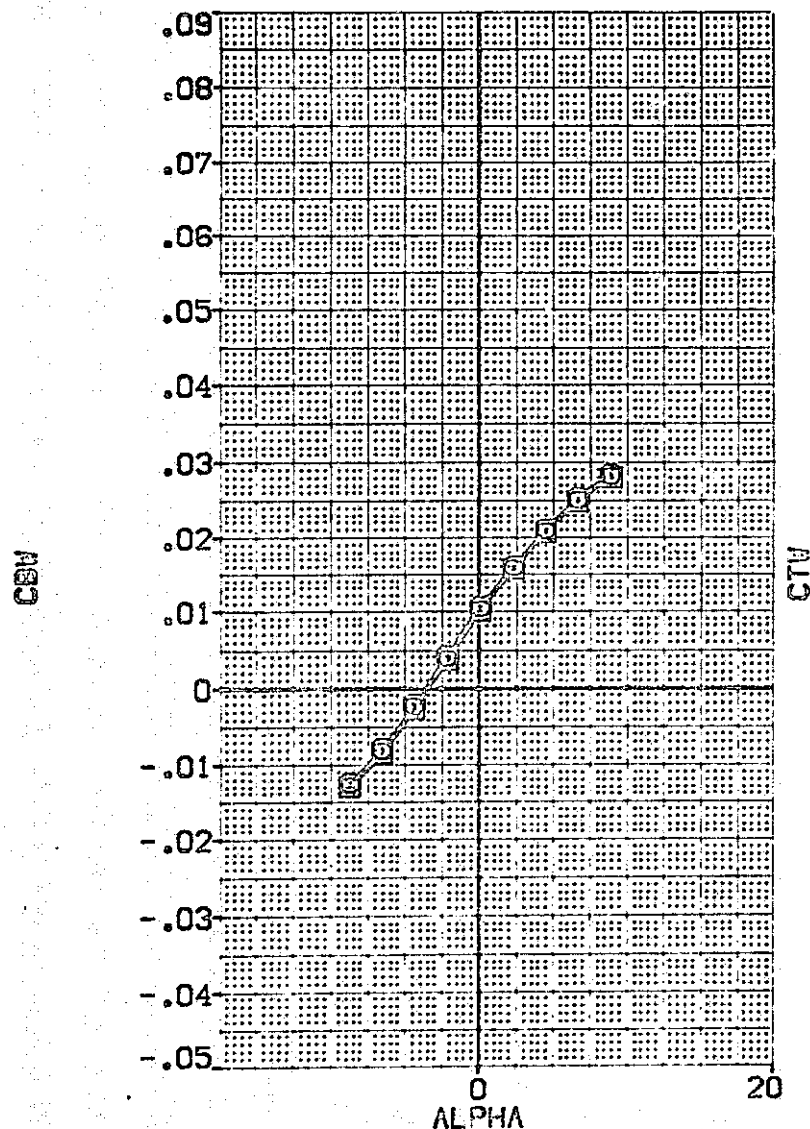


FIG 7 REPEATABILITY
 (A) MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	□	1A70 01T12S1P2F3
[AF7012]	○	1A70 01T12S1P2F3
[AF7013]	△	1A70 01T12S1P2F3
[AF7014]	×	1A70 01T12S1P2F3

ELV-L1	ELV-L0	SLAP	BETA	REFERENCE INFORMATION		
.000	8.000	.000	.000	SREF	2850.0000	50.FT.
4.000	8.000	.000	.000	LREF	474.8000	IN.
8.000	8.000	.000	.000	BREF	935.7000	IN.
12.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

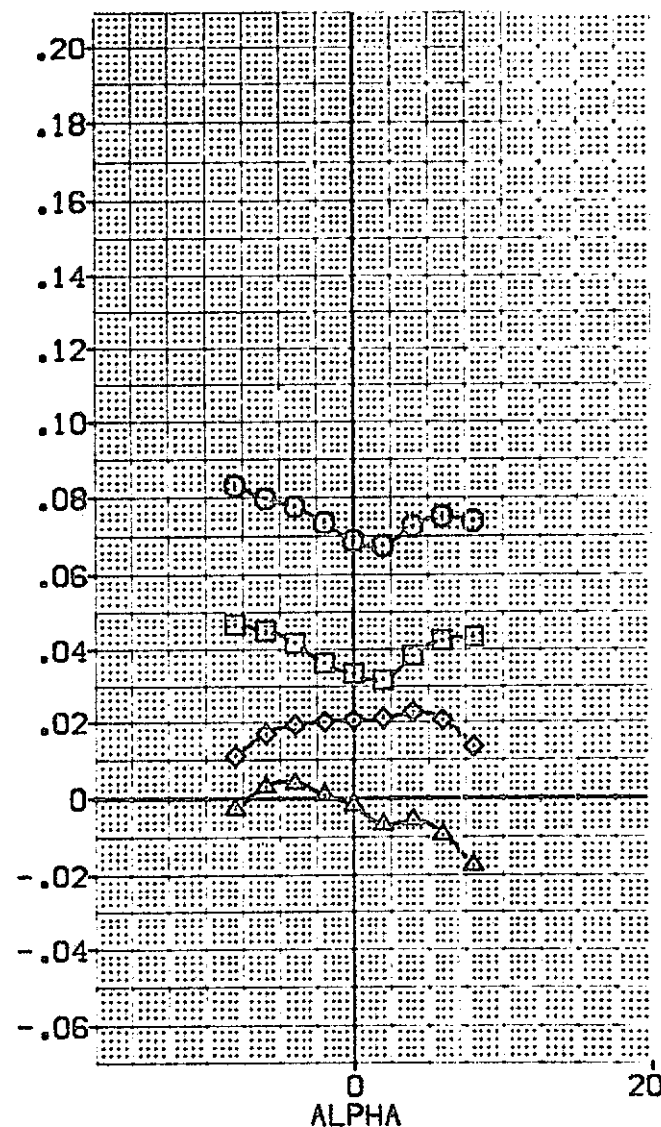
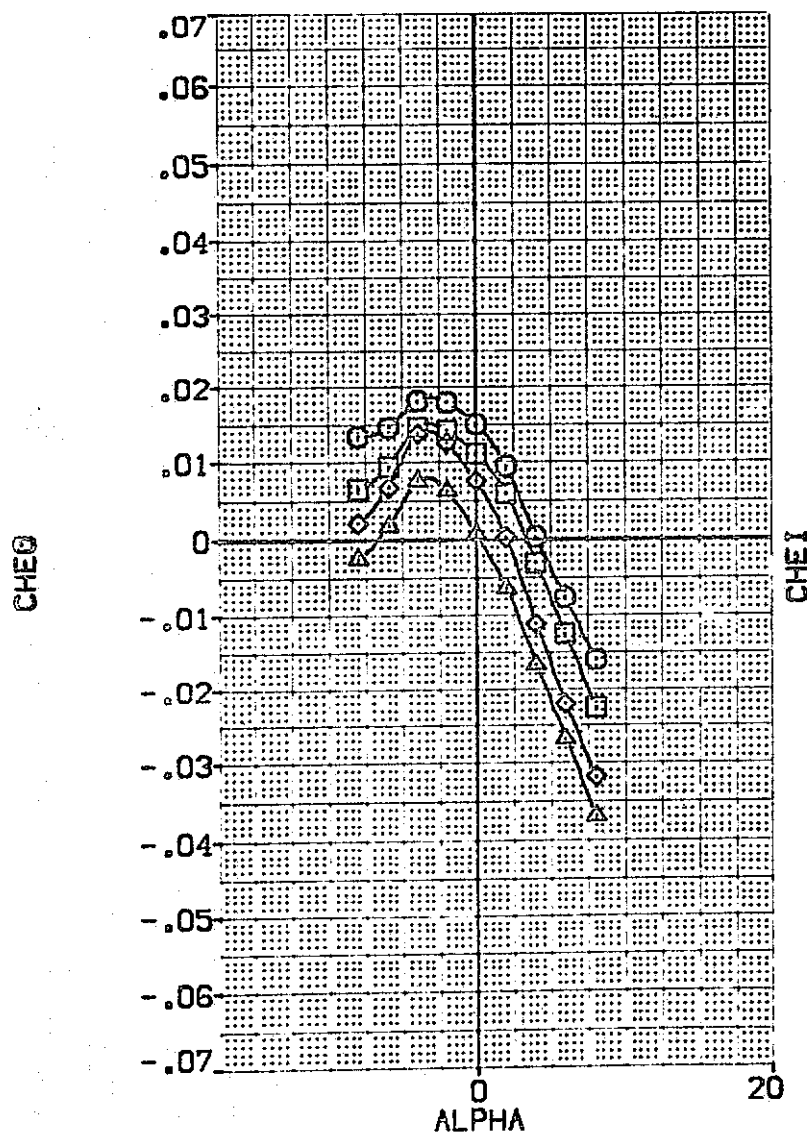


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7011}	1A70 01T12SIP2F0
{AF7012}	1A70 01T12SIP2F0
{AF7013}	1A70 01T12SIP2F0
{AF7014}	1A70 01T12SIP2F0

ELV-L1	ELV-L0	EPLAP	BETA	REFERENCE INFORMATION	
.000	0.000	.000	.000	SREF	2550.0000 SQ.FT.
4.000	0.000	.000	.000	LREF	474.6000 IN.
8.000	0.000	.000	.000	BREF	935.7000 IN.
12.000	0.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

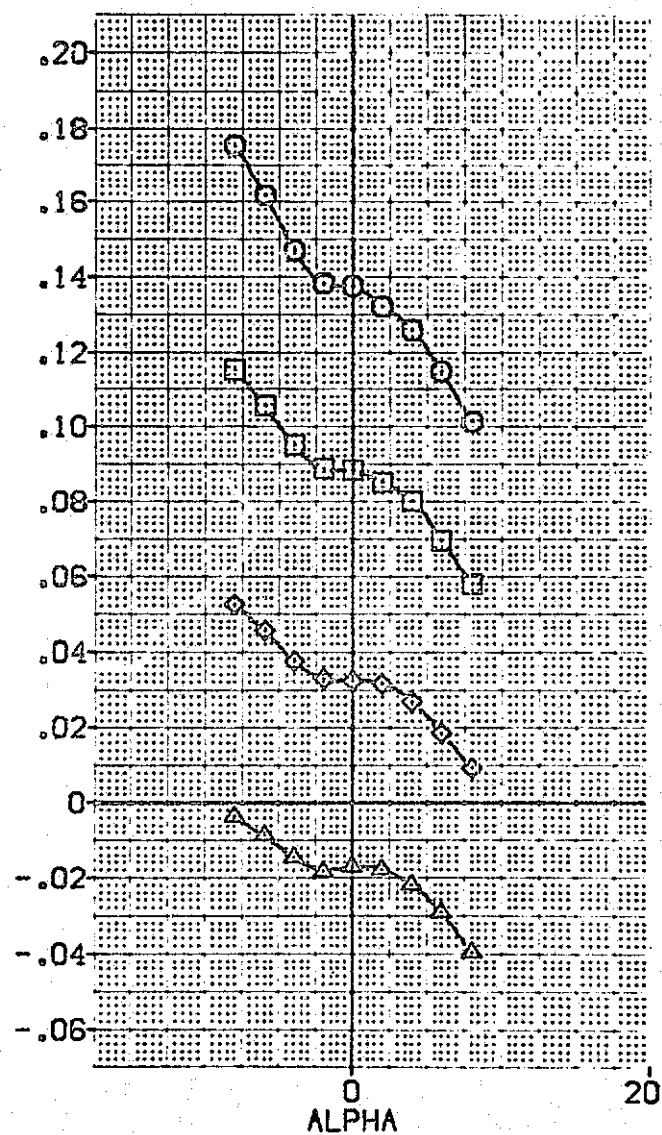
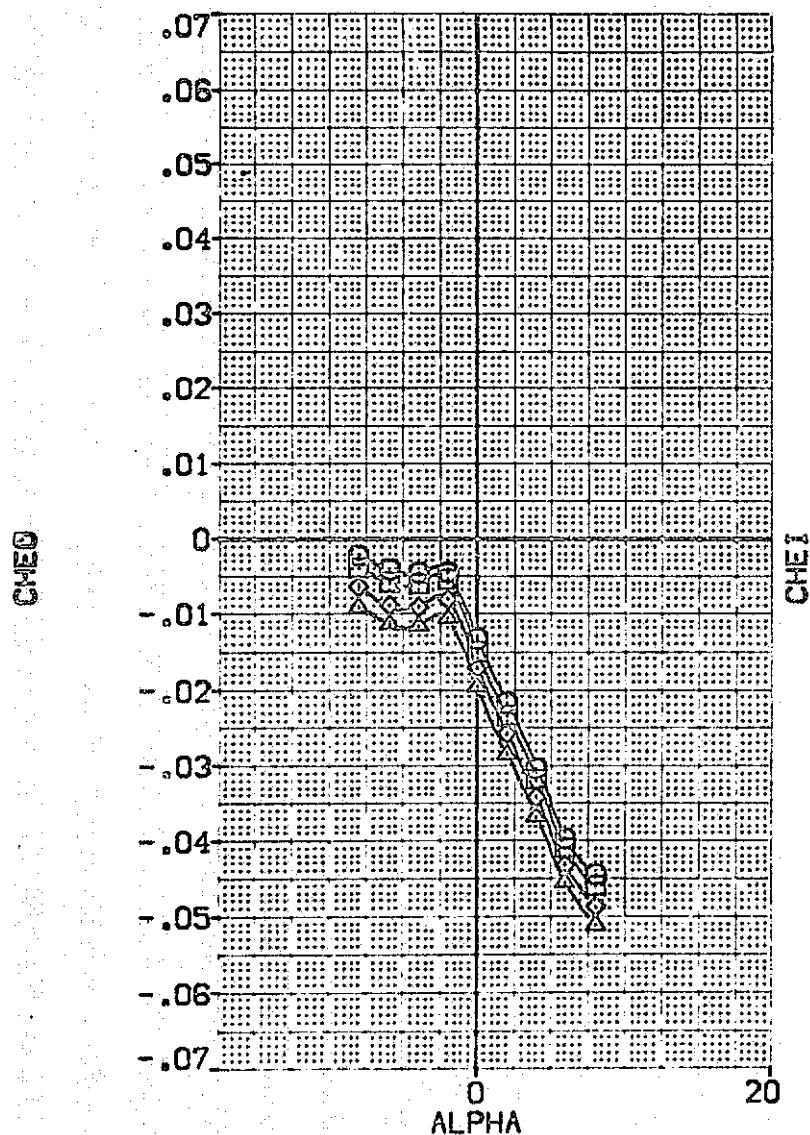


FIG 8 ELEVON EFFECTIVENESS. OTBD ELEVON = 8
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	IA70 01T12SIP2F3
[AF7012]	IA70 01T12SIP2F8
[AF7013]	IA70 01T12SIP2F3
[AF7014]	IA70 01T12SIP2F3

ELV-L1	ELV-L2	EPLAP	EETA	REFERENCE INFORMATION	SO, FT.
.000	0.000	.000	.000	SREF	2650.0000
4.000	0.000	.000	.000	LREF	474.2000
0.000	0.000	.000	.000	EREF	535.7000
12.000	0.000	.000	.000	XMRP	.0000
				YMRP	.0000
				ZMRP	.0000
				SCALE	.0150

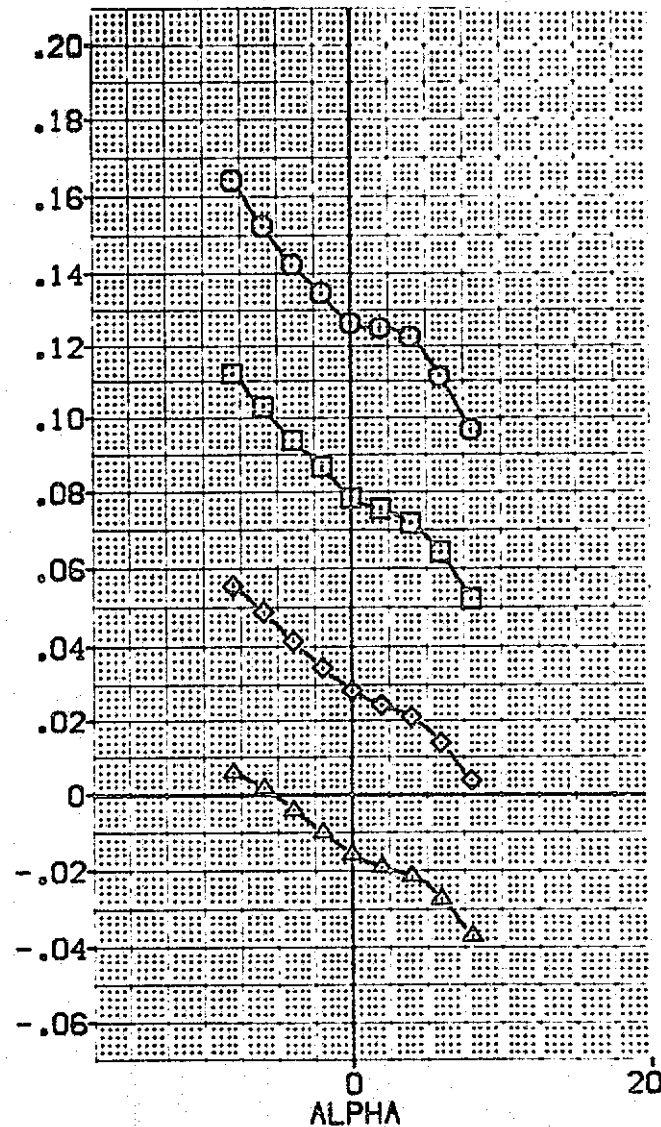
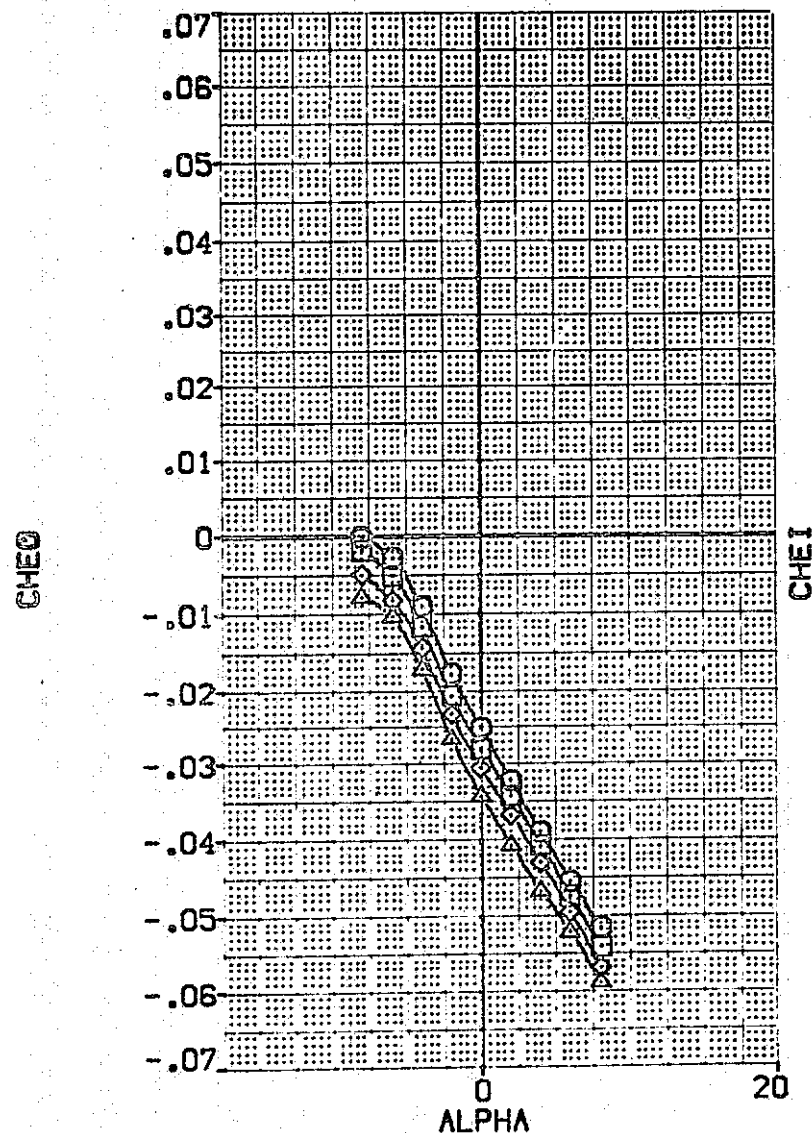


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(C)MACH = 1.24

DATA SET SYMBO. CONFIGURATION DESCRIPTION
 {AF7011} DATA NOT AVAILABLE
 {AF7012} DATA NOT AVAILABLE
 {AF7013} 1A70 911251P2P3
 {AF7014} DATA NOT AVAILABLE

ELV-LI	ELV-LG	EPLAP	BETA	REFERENCE INFORMATION		
.000	0.000	.000	.000	SREF	2690.0000	90.FT.
4.000	0.000	.000	.000	LREF	474.8000	IN.
8.000	0.000	.000	.000	BREF	933.7000	IN.
12.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZY
				SCALE	.0150	

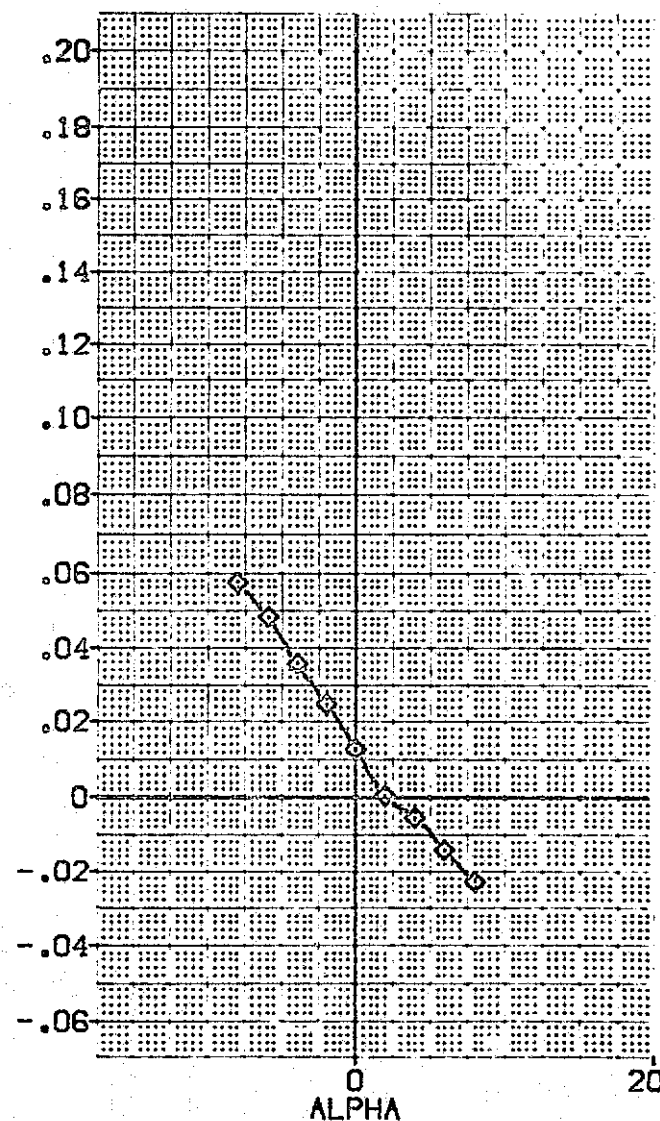
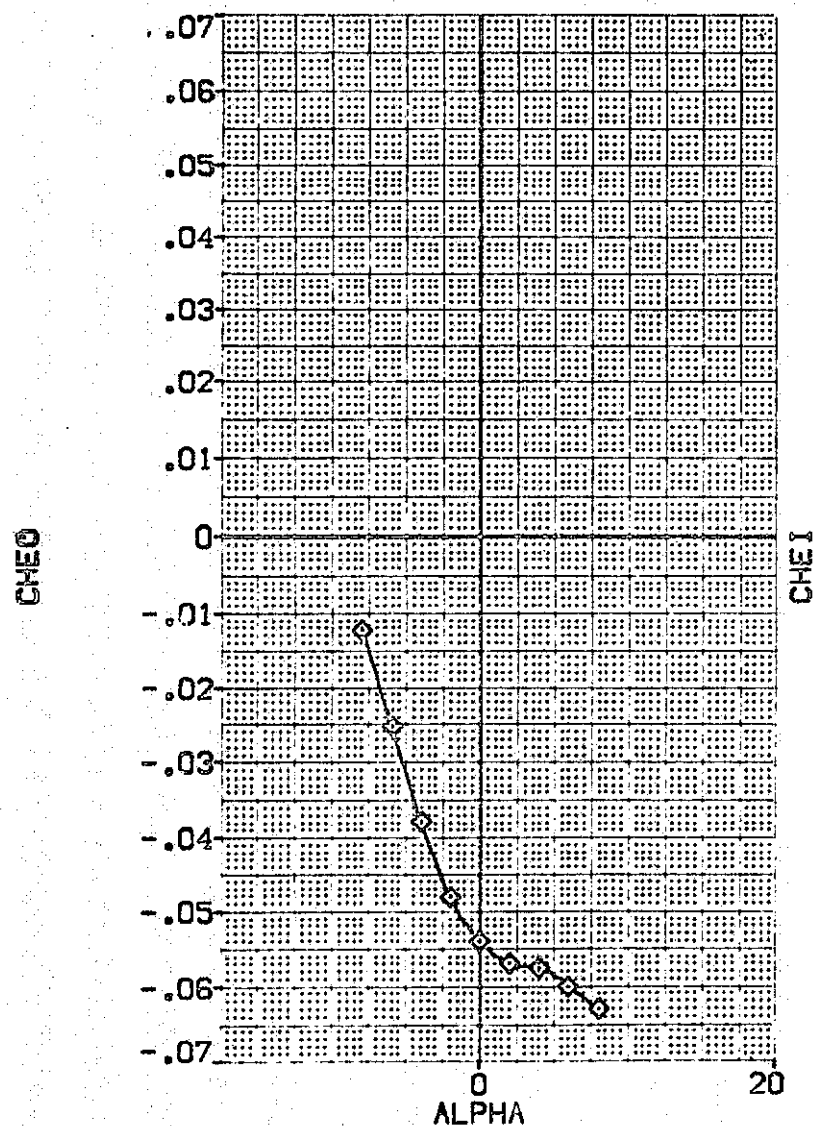


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
 (D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	□ A70 01T125IP23
[AF7012]	○ A70 01T125IP23
[AF7013]	◇ A70 01T125IP23
[AF7014]	△ A70 01T125IP23

CLV-L1	CLV-L8	CLAP	ETA	REFERENCE INFORMATION		
.000	8.000	.000	.000	SREF	2880.0000	50.FT.
4.000	8.000	.000	.000	LREF	474.6000	IN.
3.000	8.000	.000	.000	EREF	963.7000	IN.
12.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

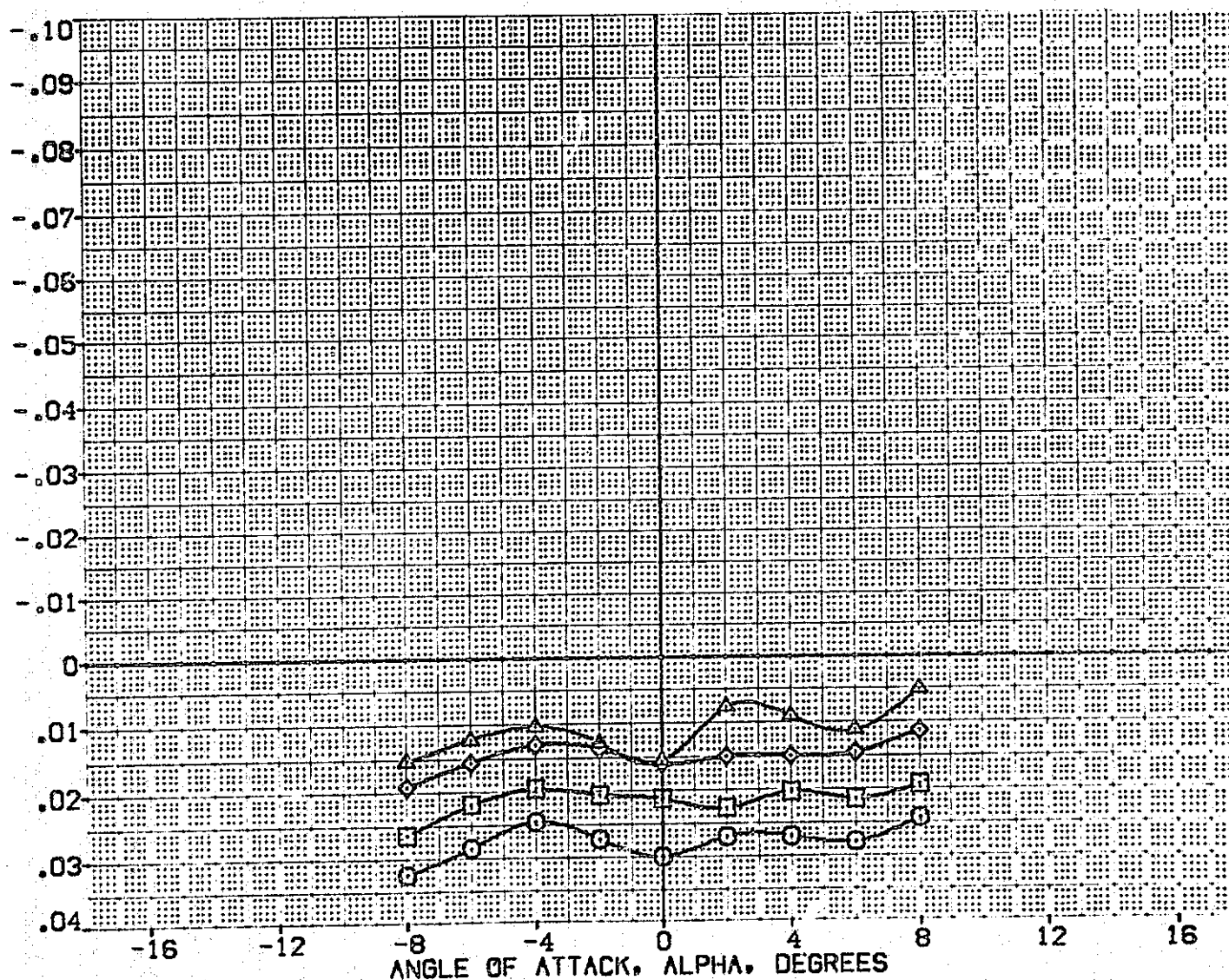


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7011}	IA70 01T12SIP2P3
{AF7012}	IA70 01T12SIP2P3
{AF7013}	IA70 01T12SIP2P3
{AF7014}	IA70 01T12SIP2P3

ELV-L1	ELV-L2	DELTA	BETA	REFERENCE INFORMATION
.000	0.000	.000	.000	SREF 2690.0000 SQ.FT.
4.000	0.000	.000	.000	LREF 474.6000 IN.
8.000	0.000	.000	.000	BREF 935.7000 IN.
12.000	0.000	.000	.000	XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

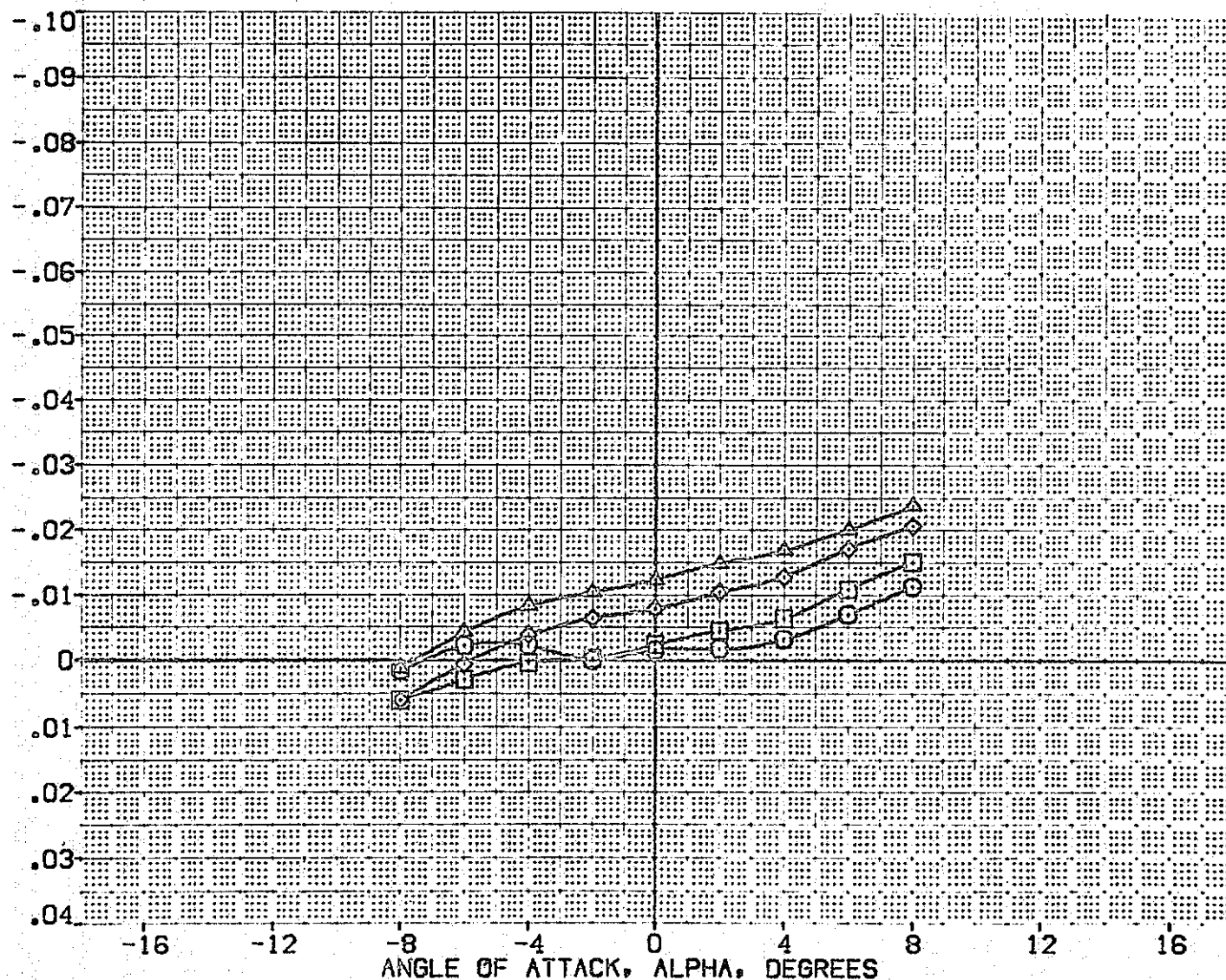


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	IA70 01T12SIP2F3
[AF7012]	IA70 01T12SIP2P3
[AF7013]	IA70 01T12SIP2F3
[AF7014]	IA70 01T12SIP2P3

ELV-L1	ELV-L2	EFLAP	BETA	REFERENCE INFORMATION		
.000	0.000	.000	.000	SREF	2650.0000	SG.FT.
4.000	0.000	.000	.000	LREF	474.8000	IN.
8.000	0.000	.000	.000	EREF	935.7000	IN.
12.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

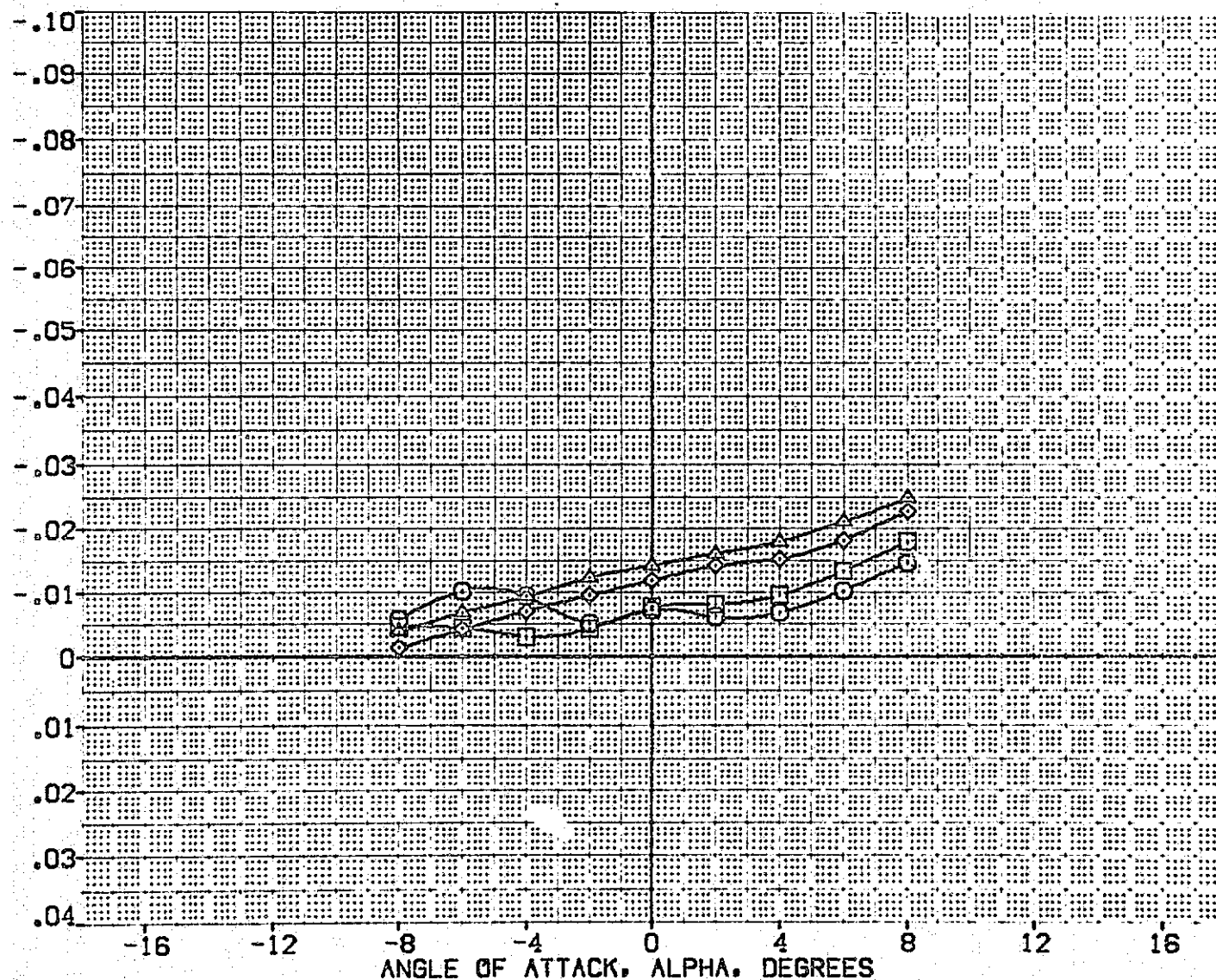


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	DATA NOT AVAILABLE
[AF7012]	DATA NOT AVAILABLE
[AF7013]	1A70 BIT12SIP2P8
[AF7014]	DATA NOT AVAILABLE

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION		
.000	0.000	.000	.000	SREF	2690.0000	50.FT.
4.000	0.000	.000	.000	LREF	474.8000	IN.
8.000	0.000	.000	.000	BREF	935.7000	IN.
12.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

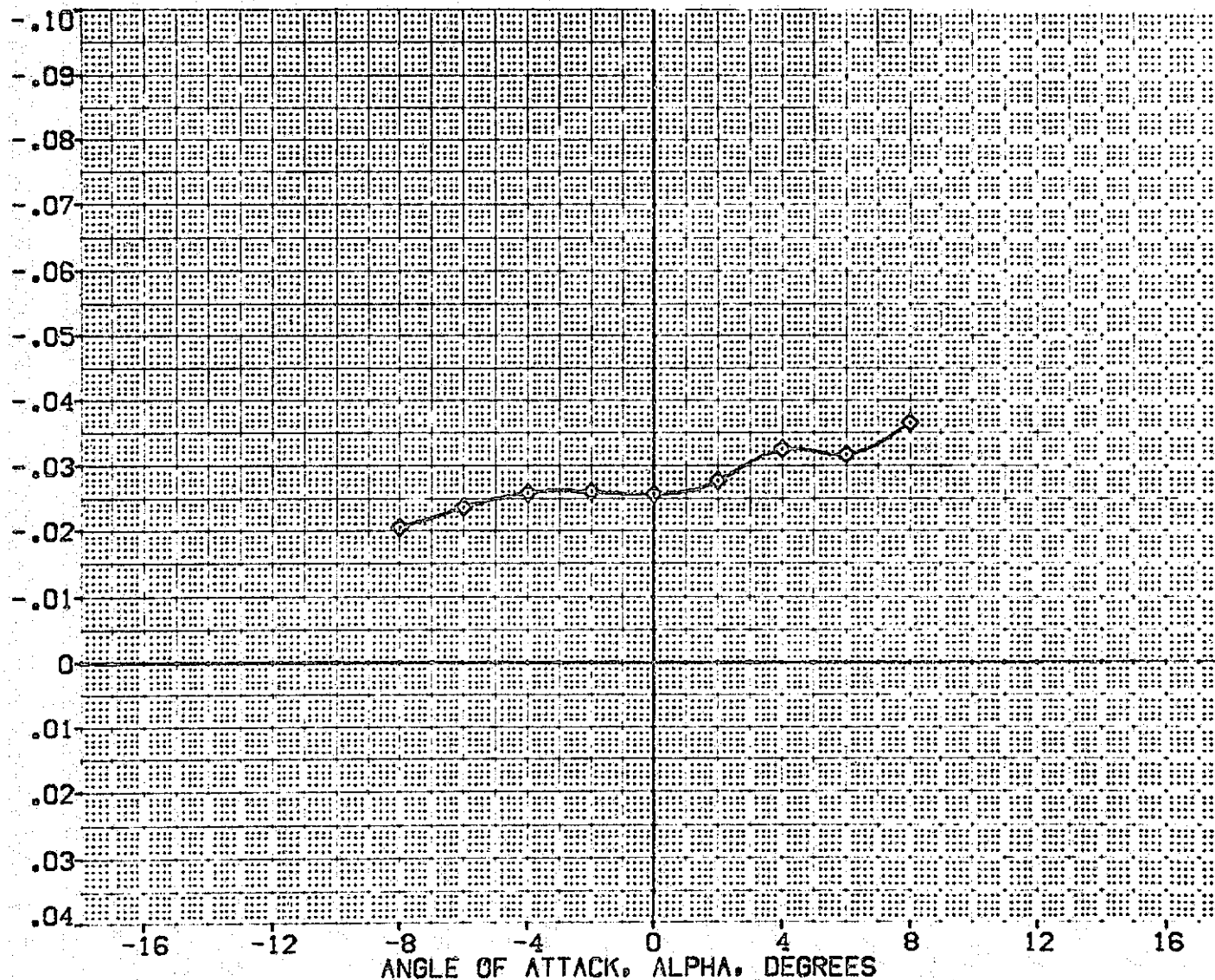


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011] ○	IA70 0111251P2F3
[AF7012] □	IA70 0111251P2F3
[AF7013] ◇	IA70 0111251P2F3
[AF7014] △	IA70 0111251P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	0.000	.000	.000	SREF	2650.0000	50.FT.
4.000	0.000	.000	.000	LREF	474.8000	IN.
0.000	0.000	.000	.000	SREF	953.7000	IN.
12.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

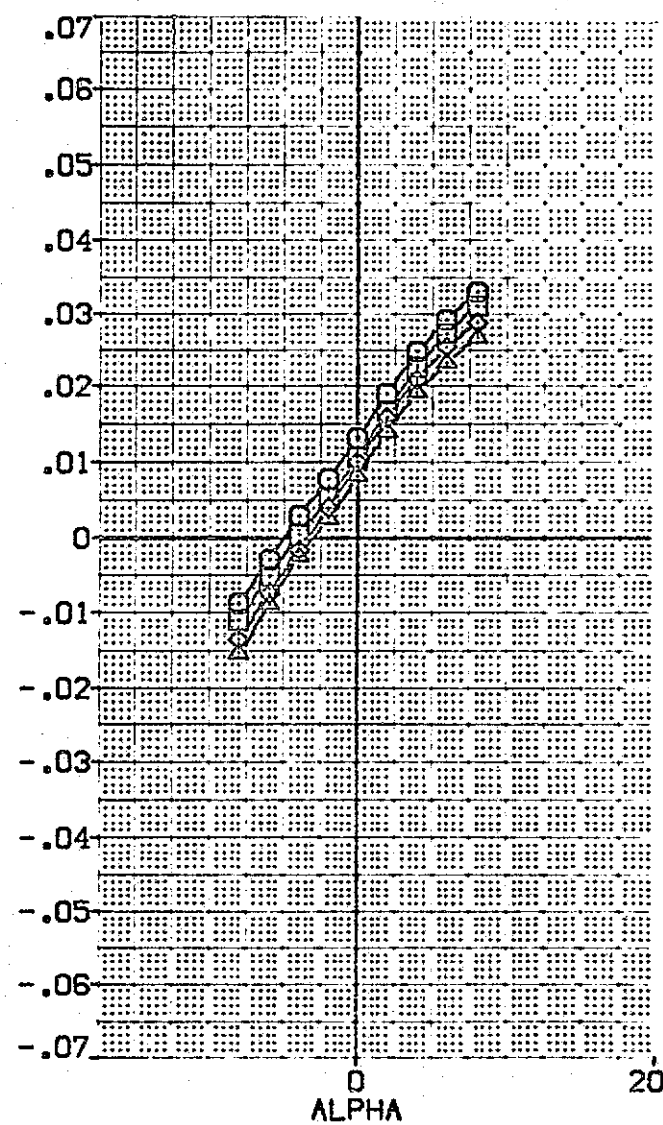
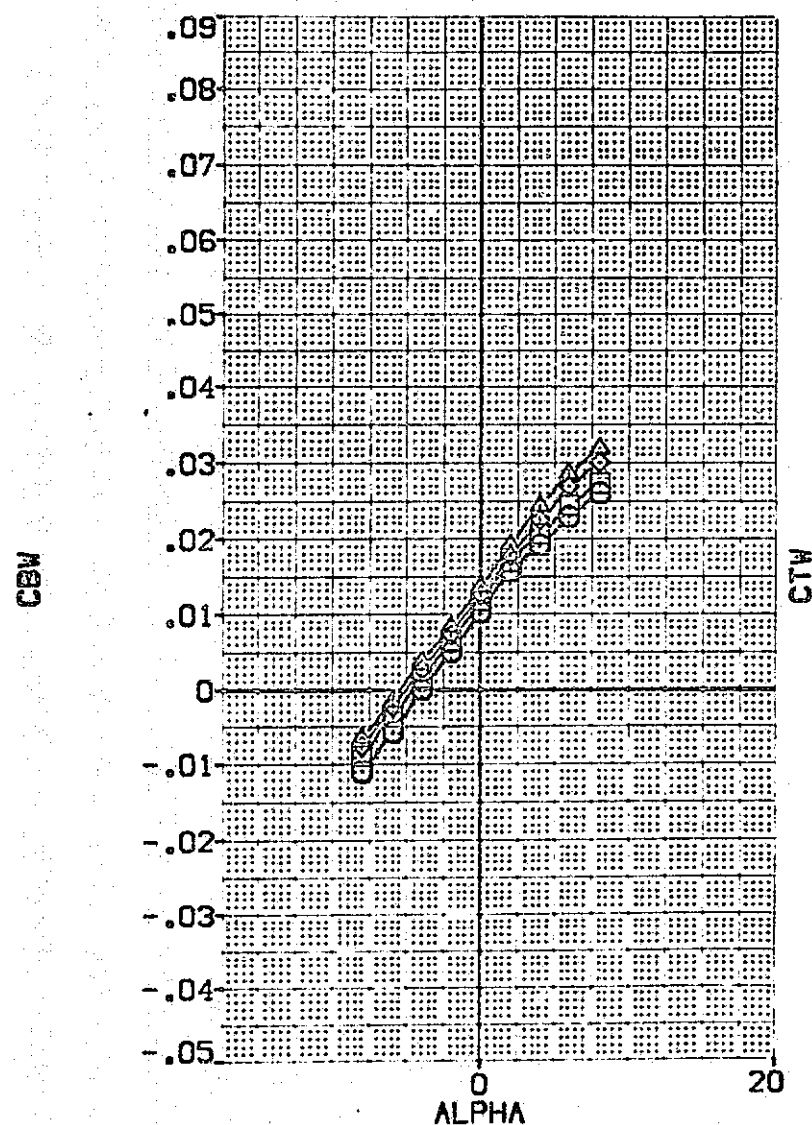


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	IA70 01T12S1P2F0
[AF7012]	IA70 01T12S1P2P0
[AF7013]	IA70 01T12S1P2F0
[AF7014]	IA70 01T12S1P2F0

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	0.000	.000	.000	SREF	2650.0000	SG.FT.
4.000	0.000	.000	.000	LREF	474.6000	IN.
8.000	0.000	.000	.000	BREF	905.7000	IN.
12.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

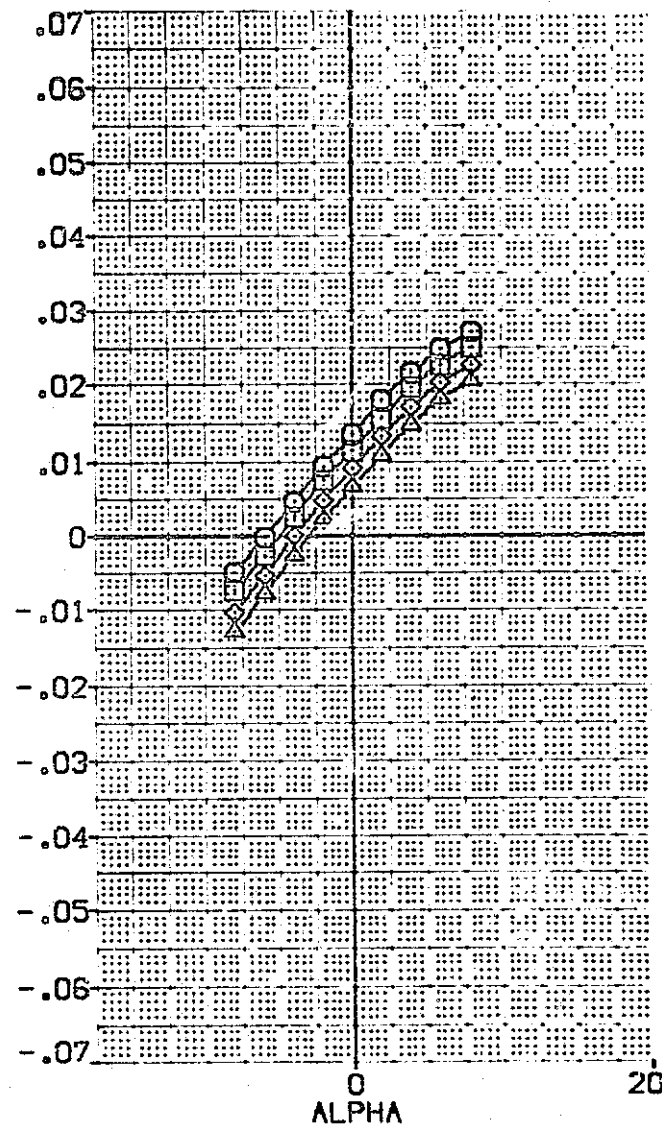
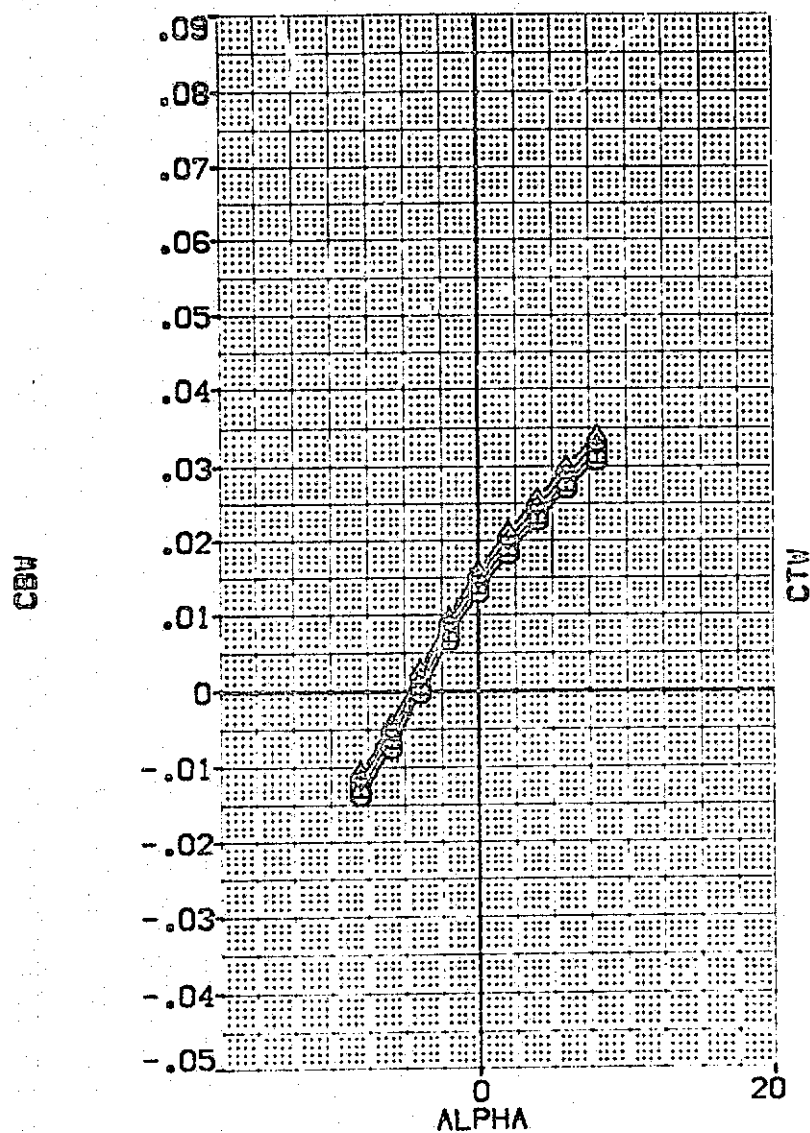


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7011]	1A70 01T125IP2F3
[AF7012]	1A70 01T125IP2F3
[AF7013]	1A70 01T125IP2F3
[AF7014]	1A70 01T125IP2F3

ELV-L1	ELV-L0	CFLAP	EETA	REFERENCE INFORMATION	
.000	0.000	.000	.000	SREF	2390.0000
4.000	8.000	.000	.000	LREF	474.8000
8.000	8.000	.000	.000	EREF	935.7000
12.000	8.000	.000	.000	XMRP	.0000
				YMRP	.0000
				ZMRP	.0000
				SCALE	.0150

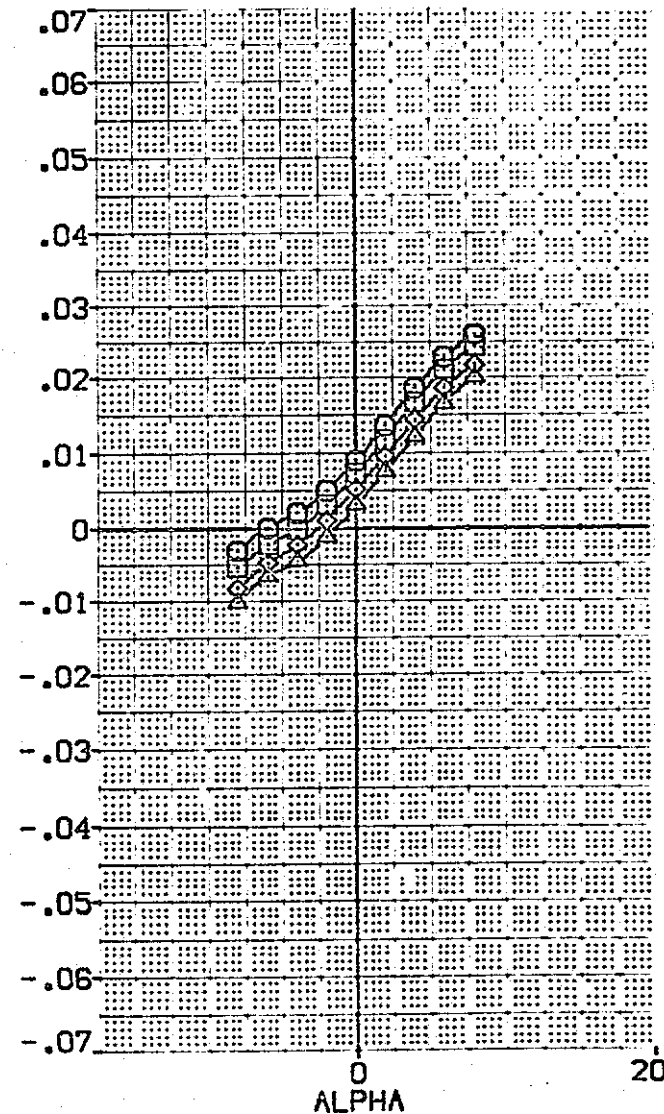
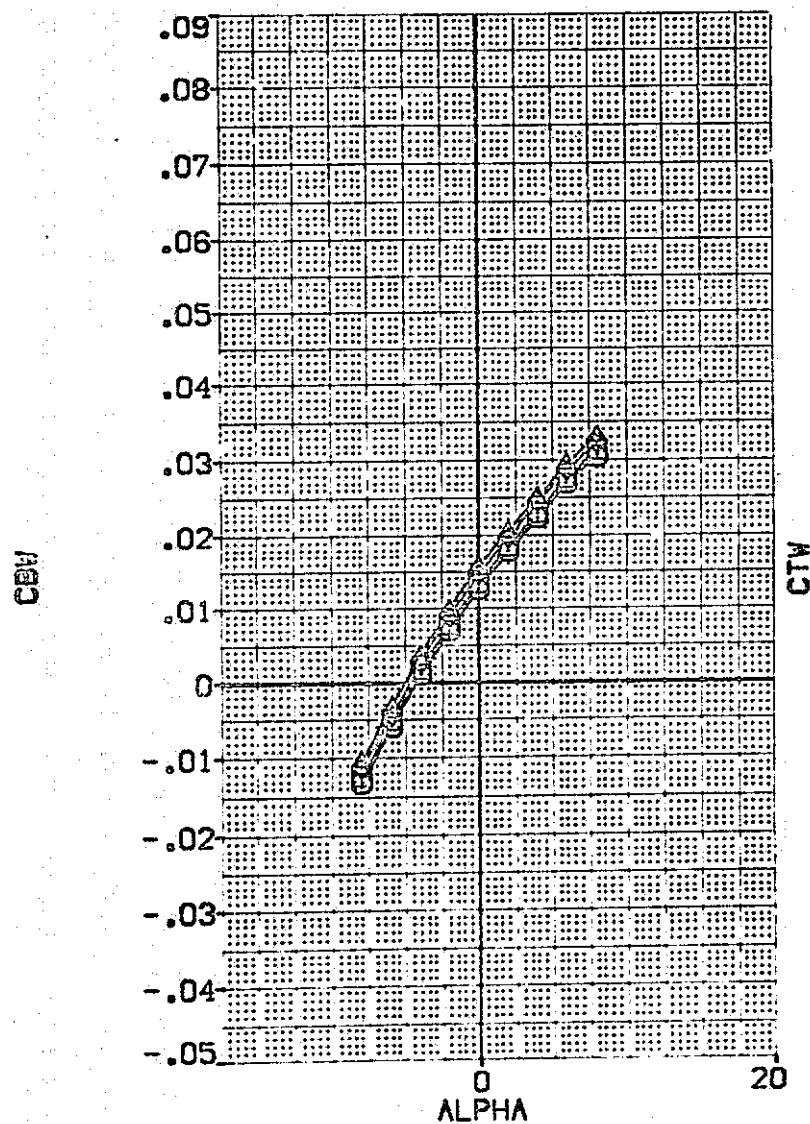


FIG 8 ELEVON EFFECTIVENESS, 0TBD ELEVON = 8
(C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7011] □ DATA NOT AVAILABLE
 [AF7012] □ DATA NOT AVAILABLE
 [AF7013] X 1A70 011:231P2P3
 [AF7014] X DATA NOT AVAILABLE

ELV-L1	ELV-L2	EFLAP	BETA	REFERENCE INFORMATION		
.000	0.000	.000	.000	SREF	2620.0000	SG.FT.
4.000	8.000	.000	.000	LREF	474.8000	IN.
8.000	8.000	.000	.000	BREF	935.7000	IN.
12.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

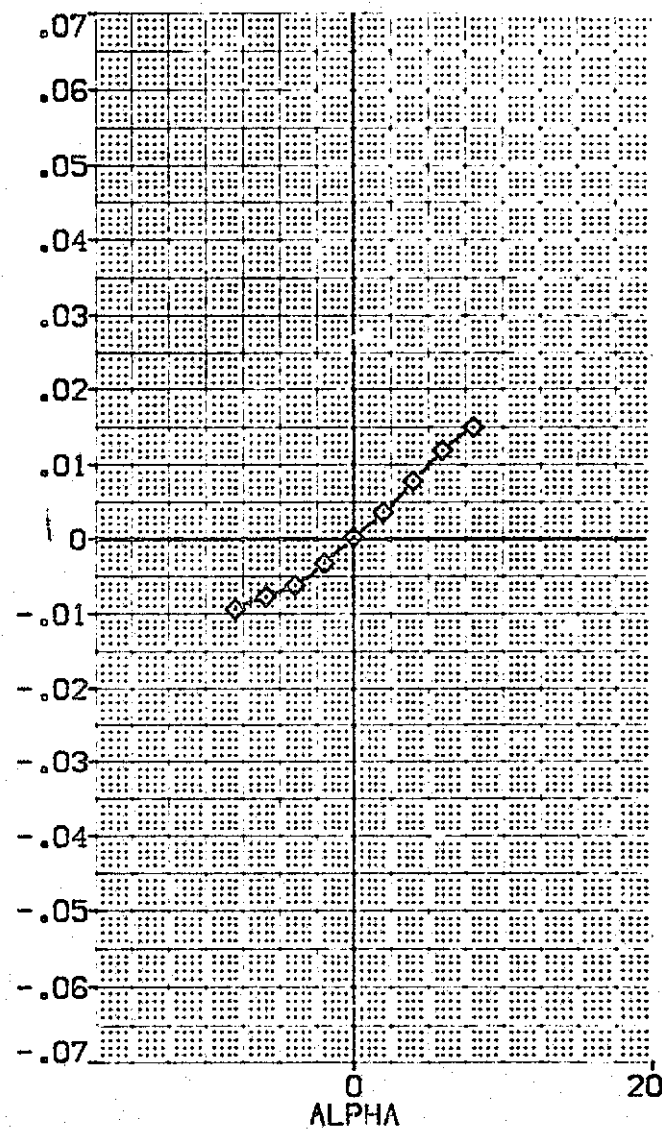
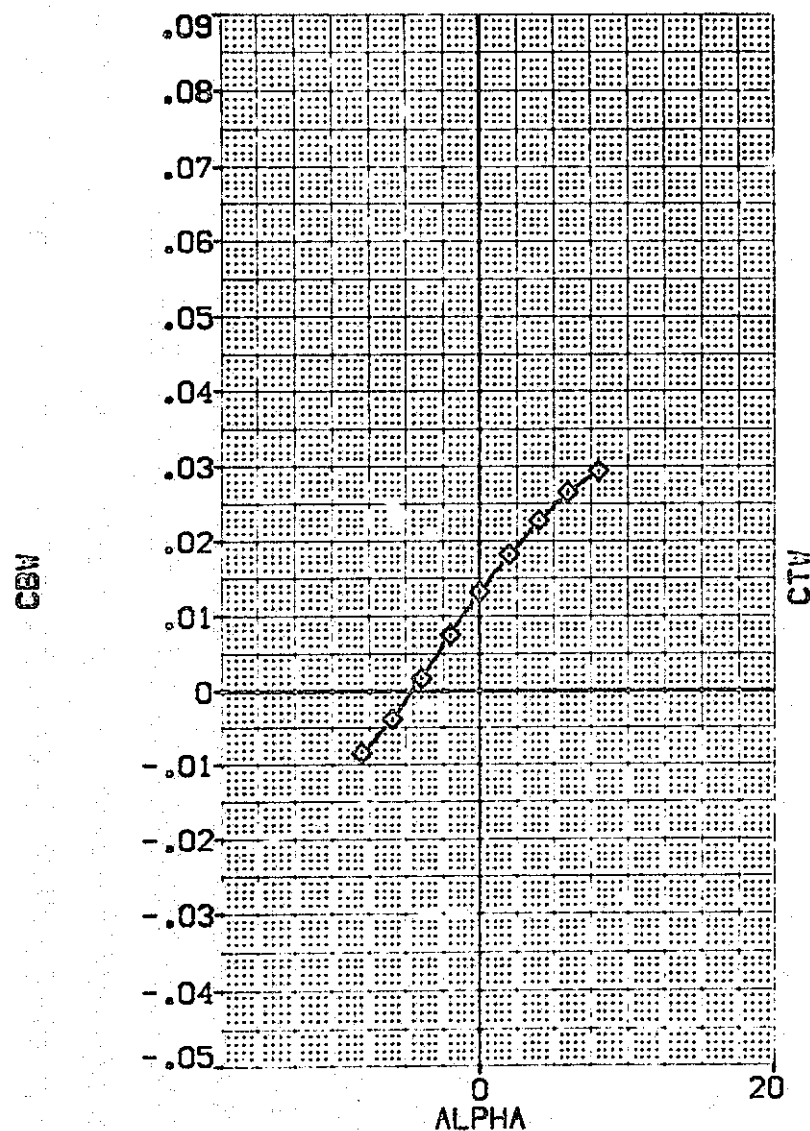


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8
 (D)MACH = 1.50

O
 □
 ◇
 △
 ▽

ALPHA
 -9.000
 -6.000
 -4.000
 -2.000
 .000

HACH
 ELV-LB
 ELV-RB

PARAMETRIC VALUES
 .000 EETA
 8.000 ELV-RI
 8.000 EFLAP

.000 DATASET
 .000 AF7011
 .000 EF7013

DATA SOURCE
 ELV-LI
 .000
 8.000

DATASET
 AF7012
 AF7014

ELV-LI
 4.000
 12.000

SREF
 LREF
 BREF
 XMRP
 YMRP
 ZMRP
 SCALE

2550.0000
 474.8000
 935.7000
 .0000
 .0000
 .0000
 .0150

59. FT.
 IN.
 IN.
 IN. XT
 IN. YT
 IN. ZT

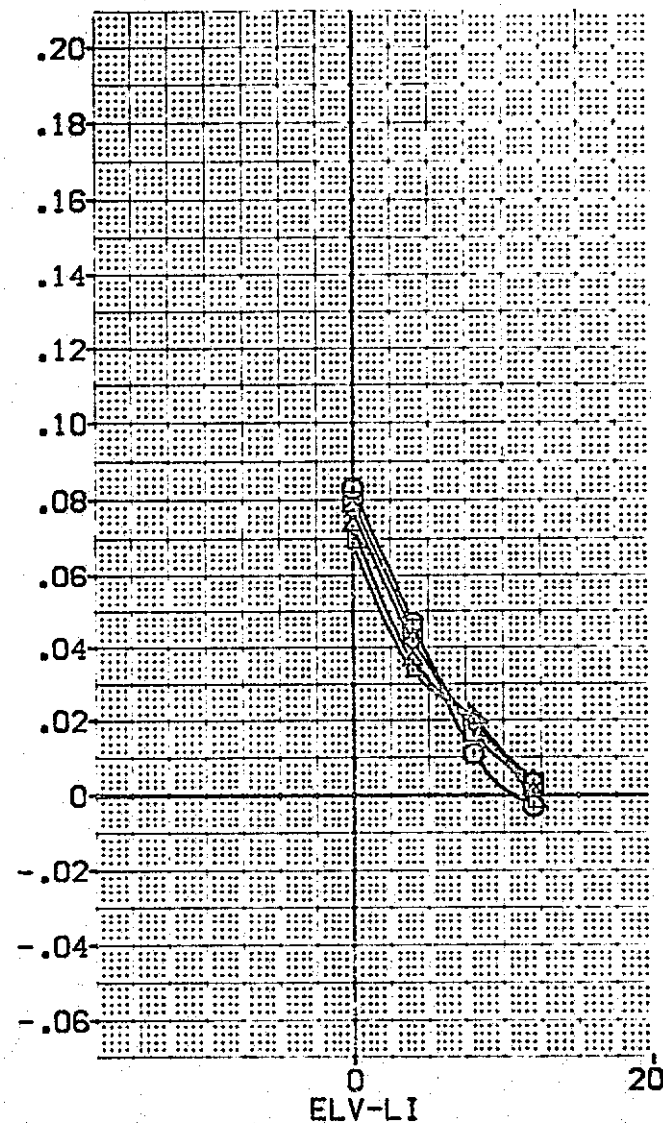
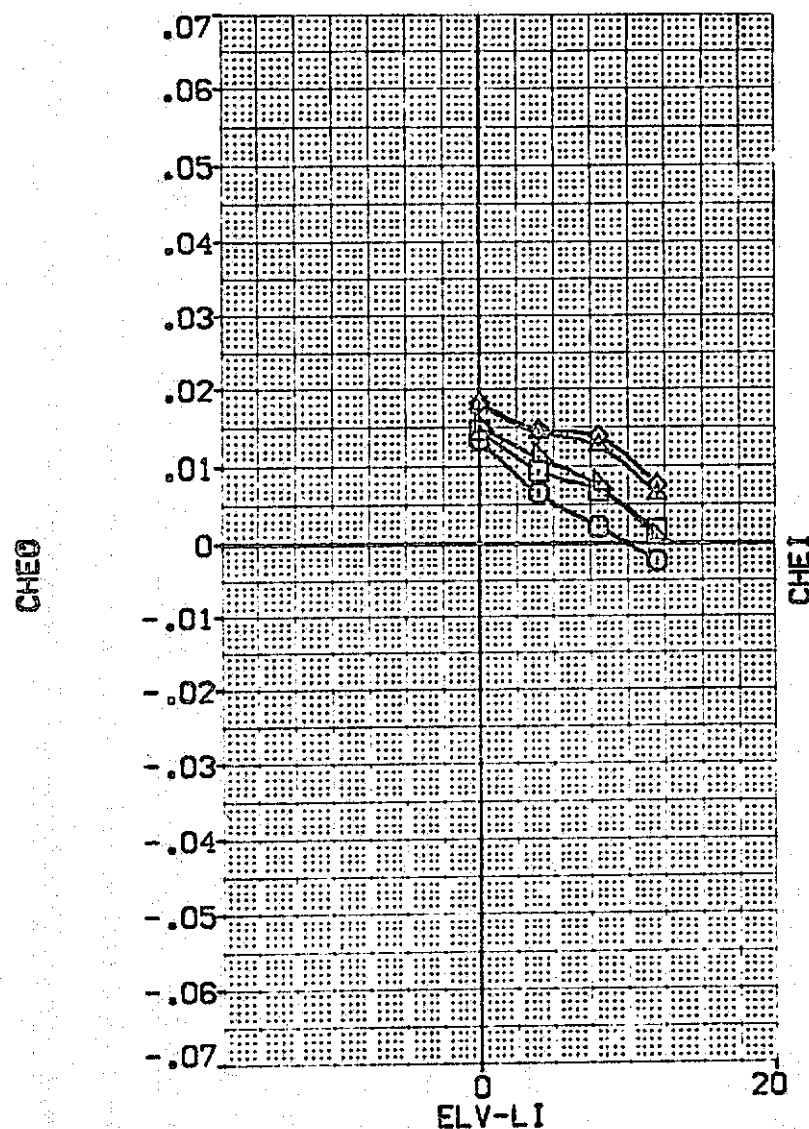


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8

IA70 01T12S1P2P8

(AF7011)

DATA

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-L0
ELV-R0

PARAMETRIC VALUES

.500 BETA
0.000 ELV-RI
0.000 EFLAP

.000 DATASET
.000 AF7011
.000 BF7013

DATA SOURCE

ELV-LI
.000
8.000

DATASET
AF7012
AF7014

ELV-LI
4.000
12.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 IN.
BREF 935.7000 IN.
XPRP .0000 IN. XT
YPRP .0000 IN. YT
ZPRP .0000 IN. ZT
SCALE .0150

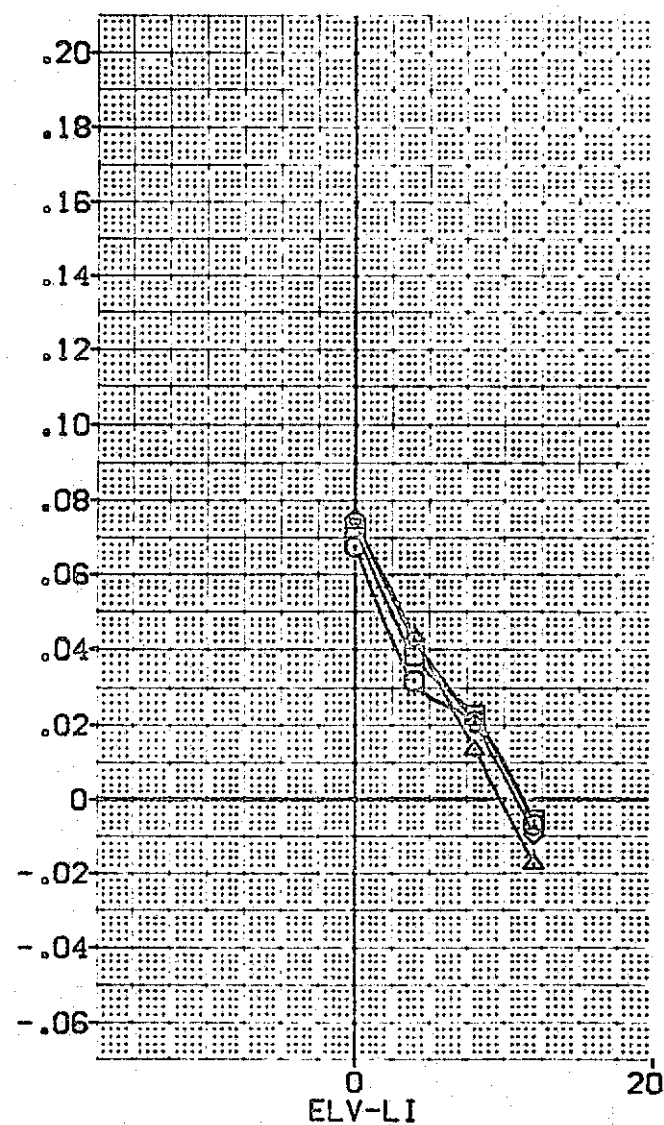
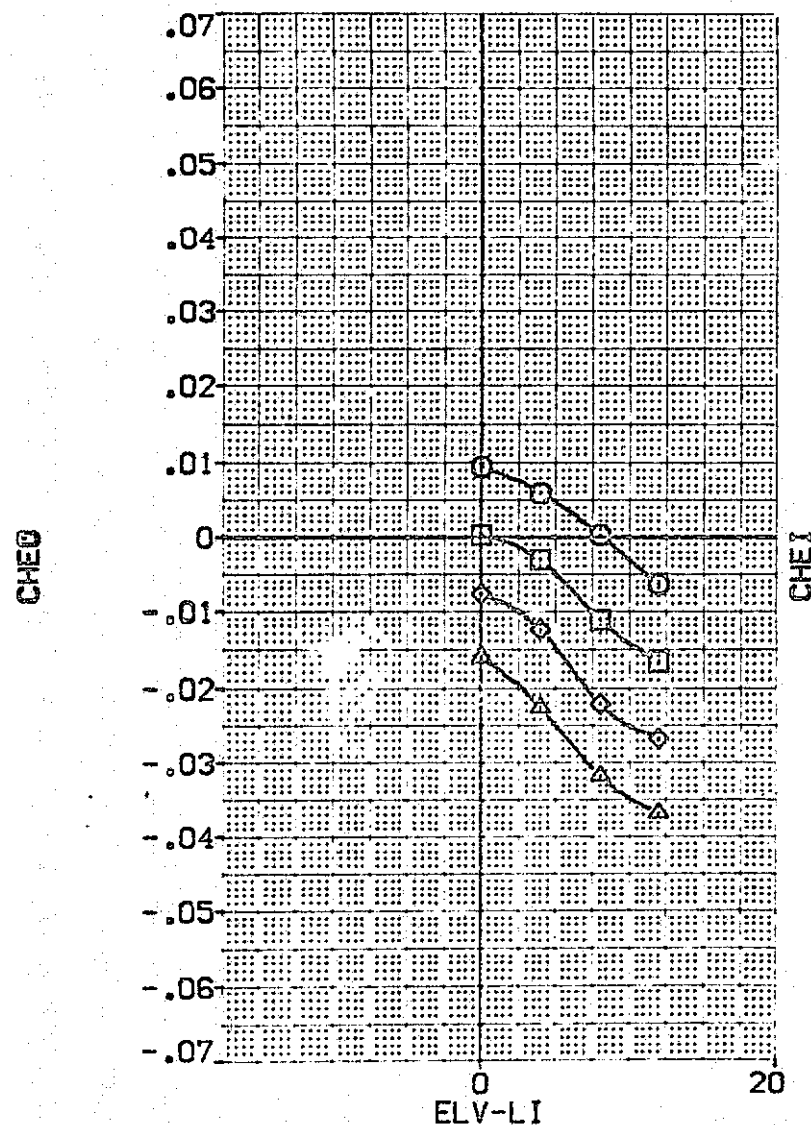


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	.000	DATASET	DATA SOURCE	ELV-LI	DATASET	ELV-LI	SREF	26SD.0000	SG.FT.
○	-9.000		1.120	EETA	.000	AF7011	.000	AF7012	4.000	LREF	474.6000	IN.
□	-6.000	ELV-LG	8.000	ELV-RI	.000	AF7011	.000	AF7012	4.000	EREF	935.7000	IN.
◇	-4.000	ELV-RG	8.000	EFLAP	.000	EF7013	8.000	AF7014	12.000	XMRP	.0000	IN. XT
△	-2.000									YMRP	.0000	IN. YT
▽	.000									ZMRP	.0000	IN. ZT
										SCALE	.0150	

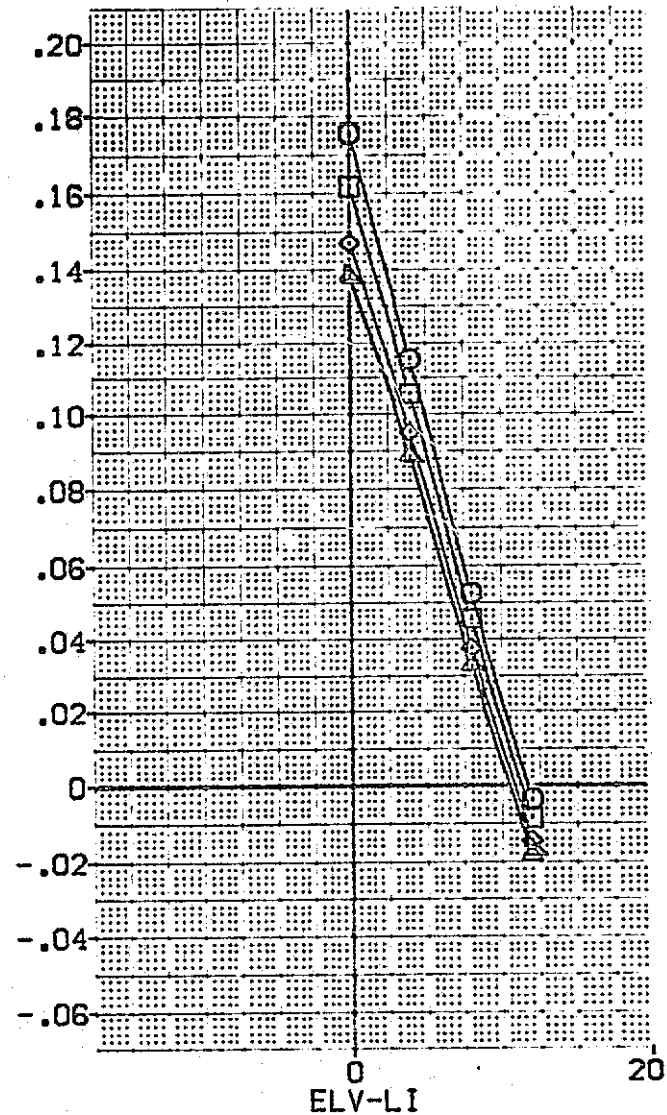
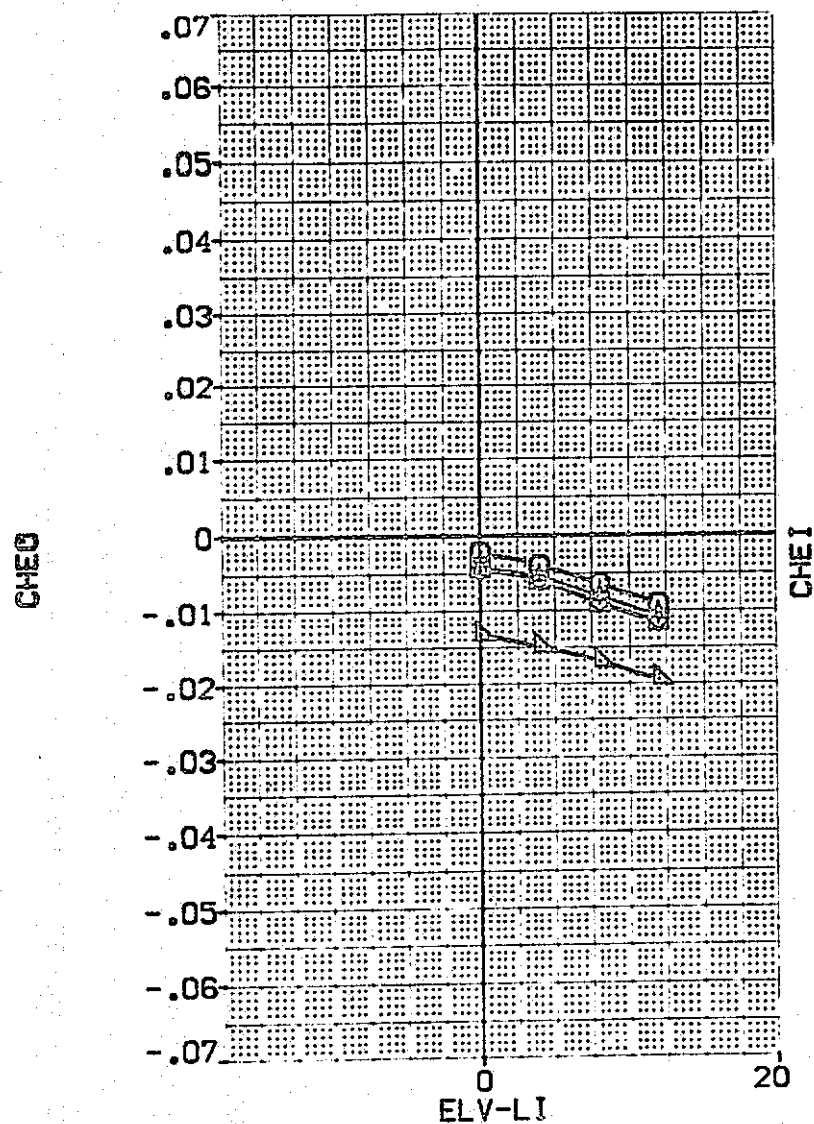


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8

IA70 01T12S1P2P8

[AF7011]

SYMBOL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-LG
ELV-RG

PARAMETRIC VALUES

1.120 BETA
0.000 ELV-RI
0.000 EFLAP

.000 DATASET
.000 AF7011
.000 EF7013

DATA SOURCE

ELV-LI
.000
0.000

DATASET
AF7012
AF7014

ELV-LI
4.000
12.000

REFERENCE INFORMATION

SREF 2690.0000 SG.FT.
LREF 474.8000 IN.
BREF 936.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

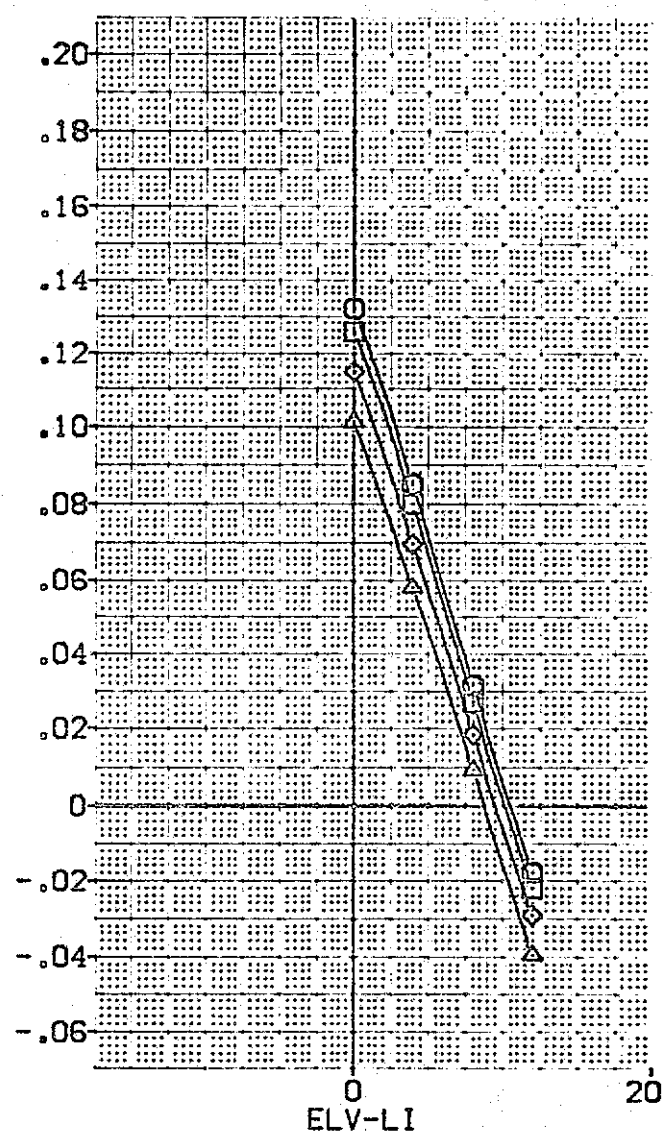
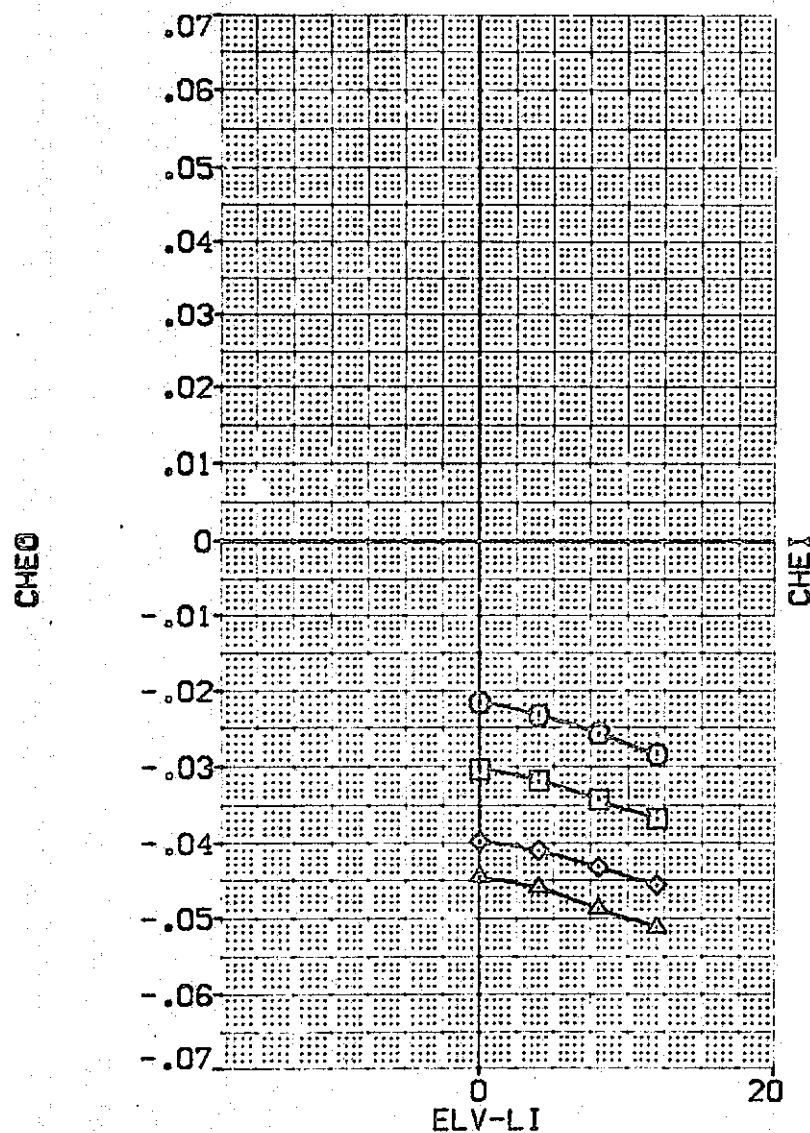


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8

SWTCH	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION			
○	-0.000	MACH	1.240	BETA	.000	DATASET	ELV-L1	DATASET	ELV-L1	SREF	2650.0000	SG.FT.	
□	-6.000	ELV-L0	0.000	ELV-R1	.000	AF7011	.000	AF7012	4.000	LREF	474.6000	IN.	
◇	-4.000	ELV-R0	0.000	BFLAP	.000	BF7013	0.000	AF7014	12.000	BREF	936.7000	IN.	
△	-2.000									XMRP	.0000	IN. XT	
▽	.000									YMRP	.0000	IN. YT	
										ZMRP	.0000	IN. ZT	
										SCALE	.0150		

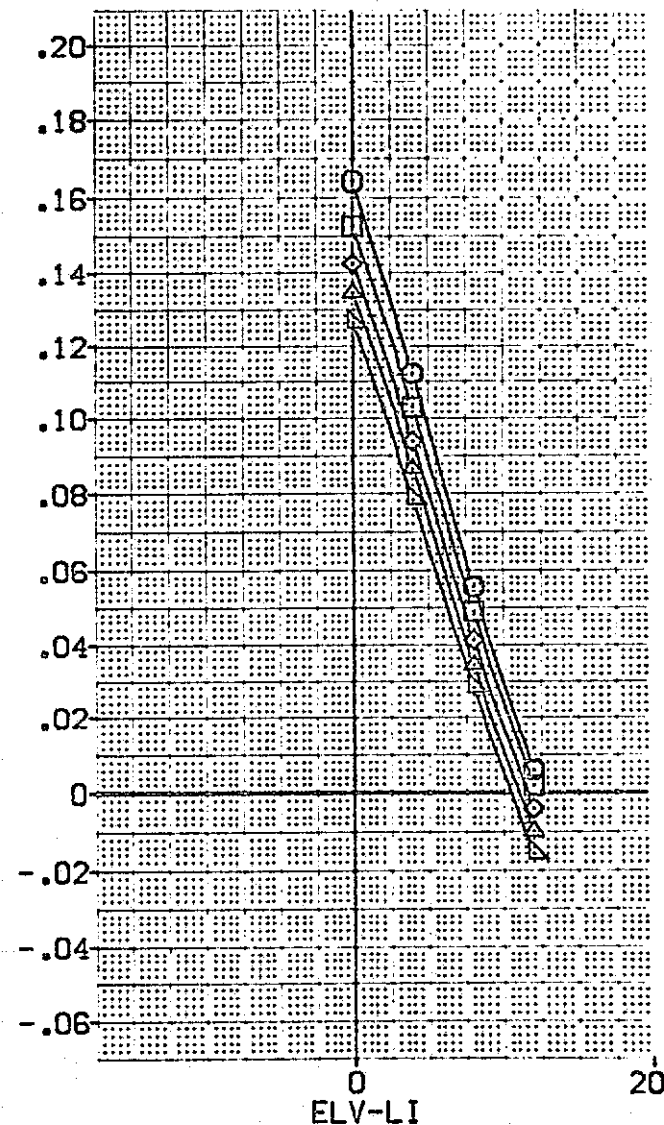
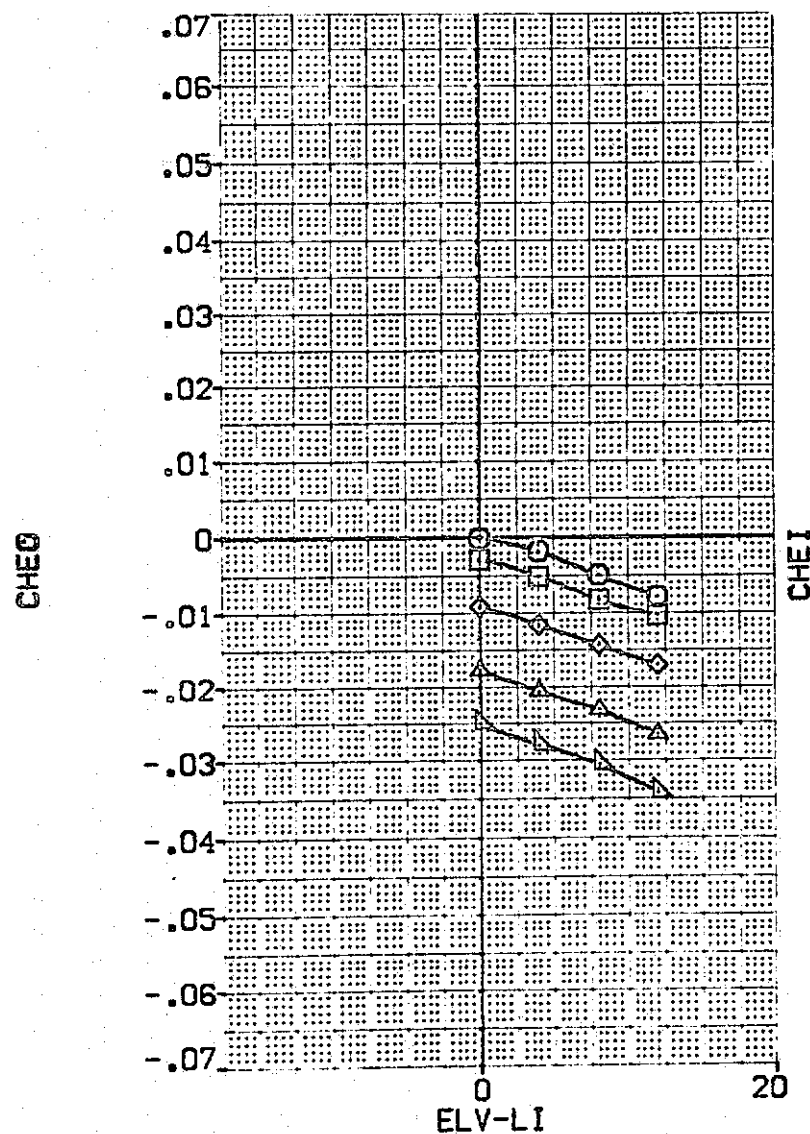


FIG 8 ELEVON EFFECTIVENESS, OTBD ELEVON = 8

IA70 01T12S1P2P8

(AF7011)

SYMBOL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-LG
ELV-RG

PARAMETRIC VALUES

1.240 EETA
0.000 ELV-RI
0.000 EFLAP

.000 DATASET
.000 AF7011
.000 EF7013

DATA SOURCE

ELV-LI
.000
0.000

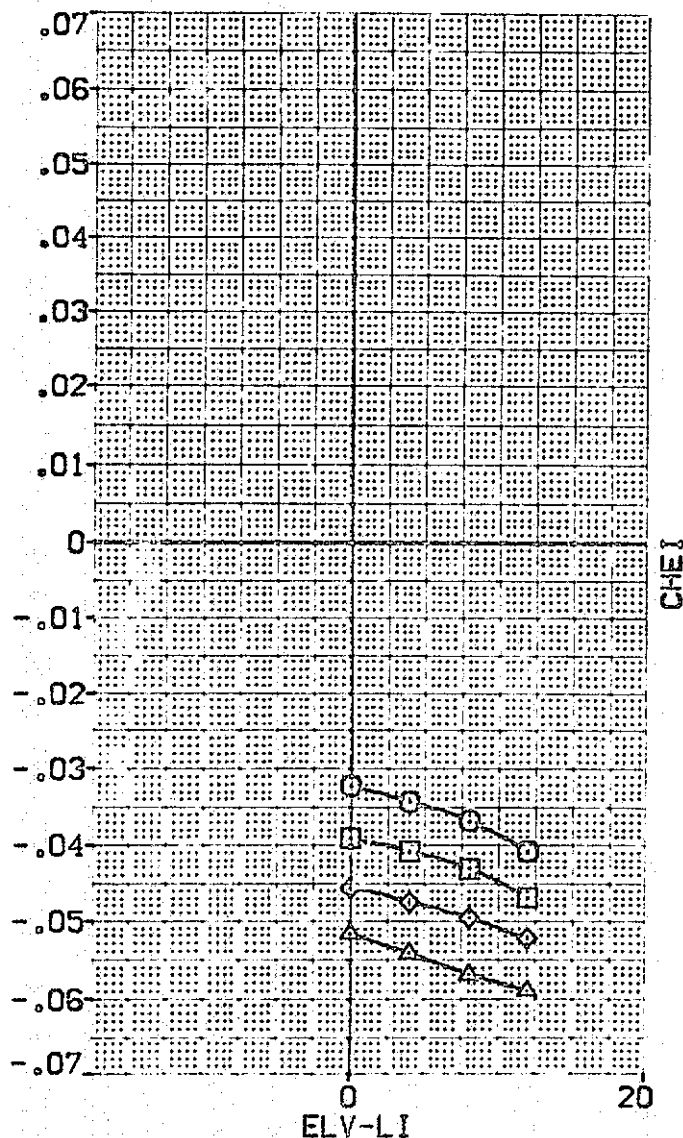
DATASET
AF7012
AF7014

ELV-LI
4.000
12.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 IN.
EREF 926.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

CHEG



CHEI

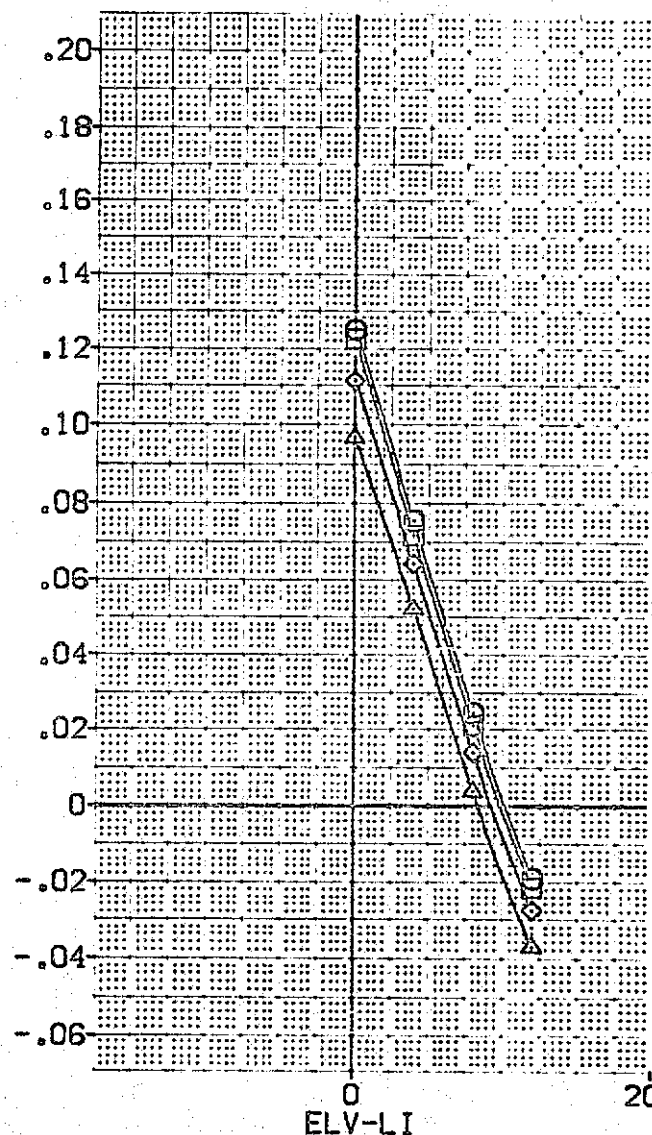


FIG 8 ELEVON EFFECTIVENESS. OTBD ELEVON = 8

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{ZF7010}	○	IA70 01T12SIP2F3
{ZF7017}	□	IA70 01T12SIP2F3
{ZF7016}	◇	IA70 01T12SIP2F3
{ZF7015}	△	IA70 01T12SIP2F6

ELV-L1	ELV-L0	EPLAP	ETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2350.0000	50. FT.
4.000	-4.000	.000	.000	LREF	474.6000	IN.
8.000	-4.000	.000	.000	EREF	925.7000	IN.
12.000	-4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

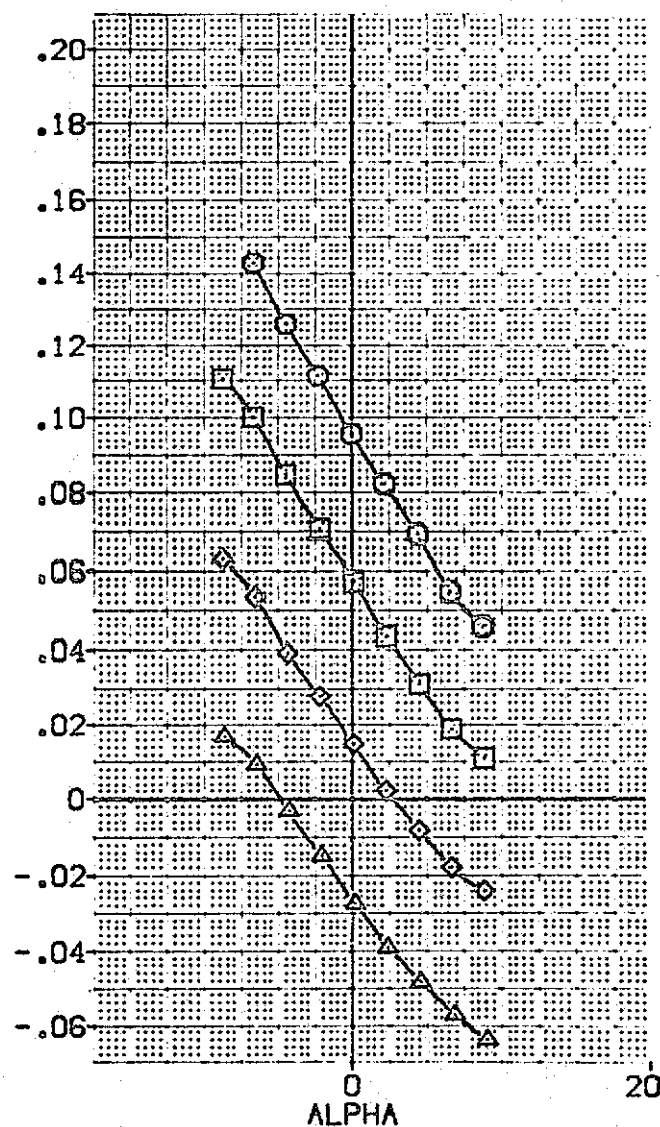
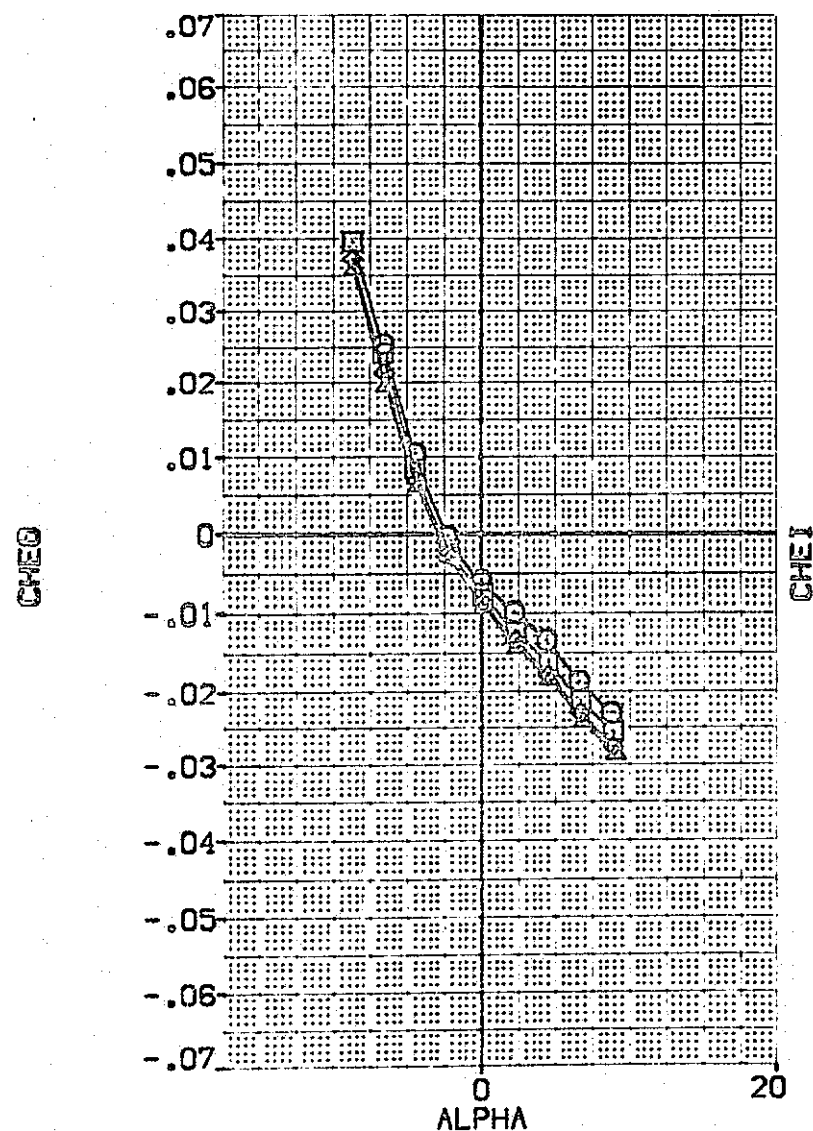


FIG 9 ELEVON EFFECTIVENESS, OTBD ELEVON = -4
(A)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[ZF7010] □ 1A70 01T125IP2P3
 [ZF7017] □ 1A70 01T125IP2P3
 [ZF7016] X 1A70 01T125IP2P3
 [ZF7015] X 1A70 01T125IP2P3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2650.0000	50.FT.
4.000	-4.000	.000	.000	LREF	474.6000	IN.
8.000	-4.000	.000	.000	BREF	935.7000	IN.
12.000	-4.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

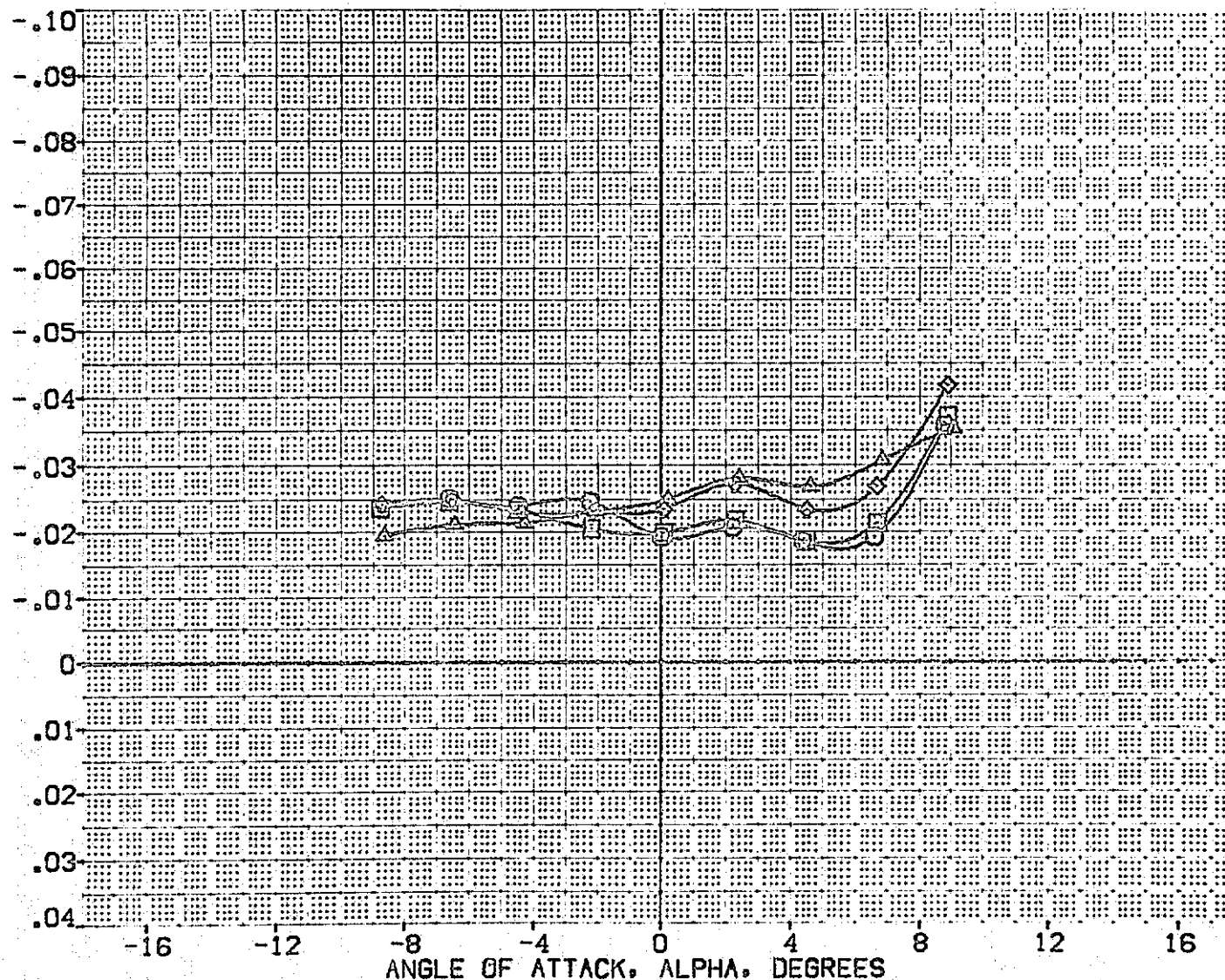


FIG 9 ELEVON EFFECTIVENESS, OTBD ELEVON = -4

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(Z7010)	IA70 01T12SIP2F3
(Z7017)	IA70 01T12SIP2F3
(Z7016)	IA70 01T12SIP2F3
(Z7015)	IA70 01T12SIP2F3

ELV-L1	ELV-L6	EPLAP	BETA	REFERENCE INFORMATION	
.000	-4.000	.000	.000	SREF	2630.0000
4.000	-4.000	.000	.000	LREF	474.6000
8.000	-4.000	.000	.000	EREF	935.7000
12.000	-4.000	.000	.000	XMRP	.0000
				YMRP	.0000
				ZMRP	.0000
				SCALE	.0150

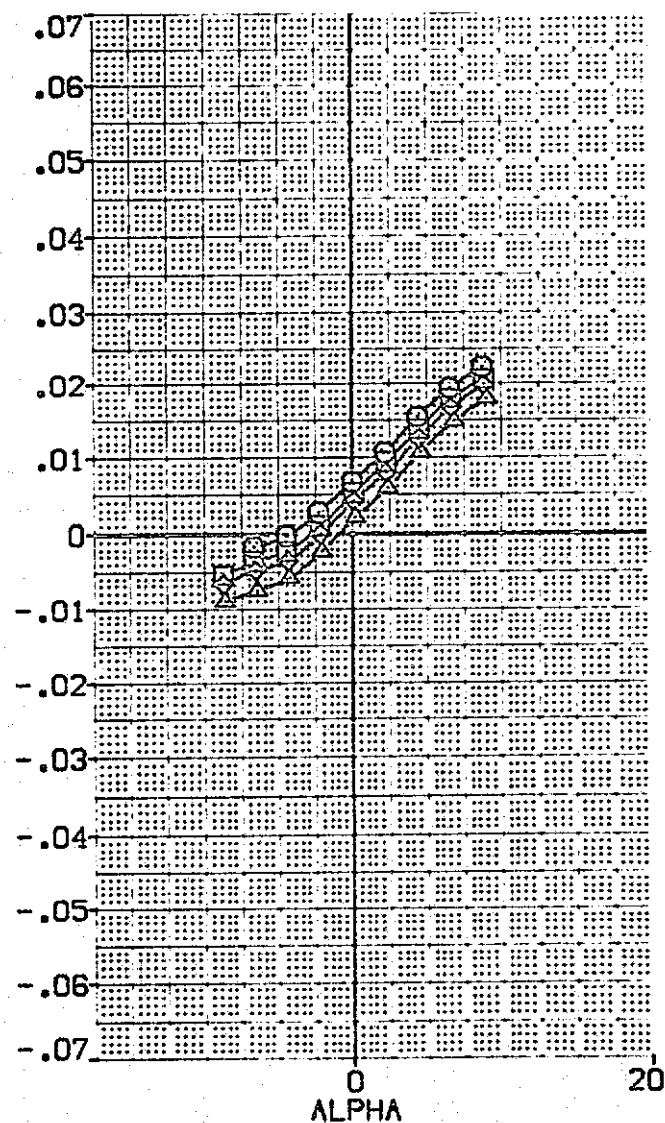
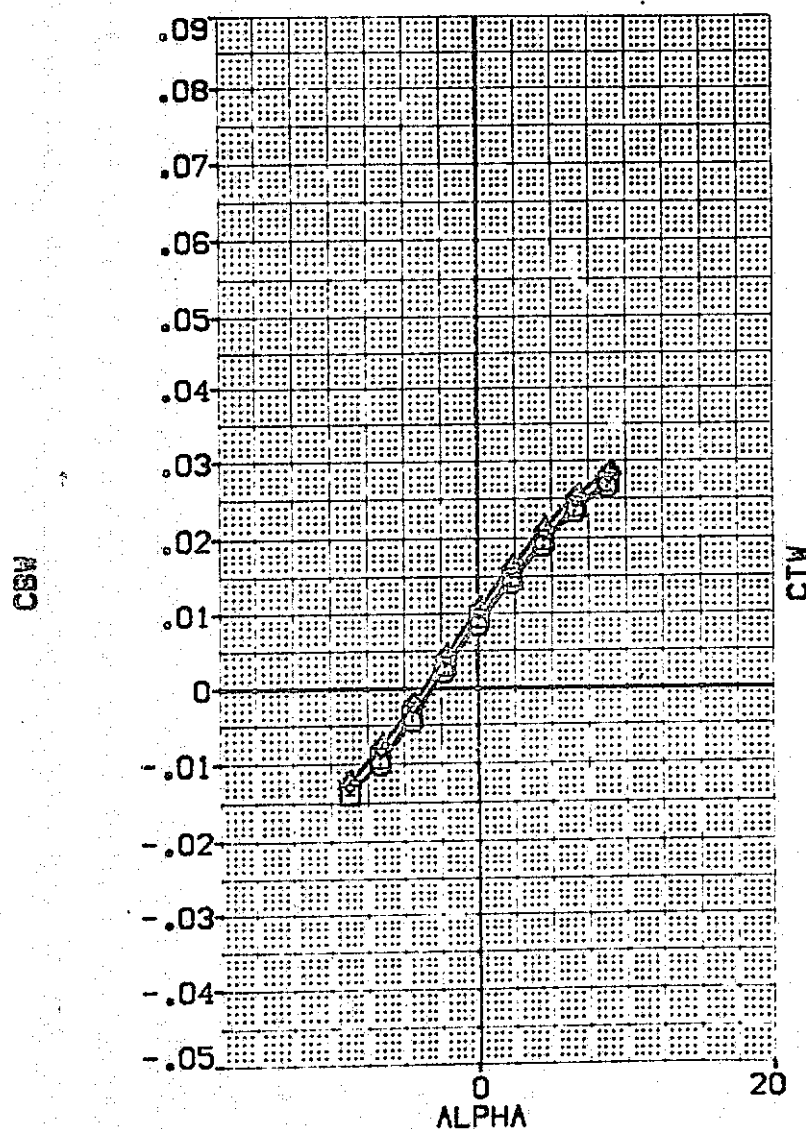


FIG 9 ELEVON EFFECTIVENESS, OTBD ELEVON = -4
(A)MACH = 1.50

IA70 01T12S1P2P8

(AF7018)

SYMBOL

○
□
◇
△
▽

ALPHA

-8.000
-6.000
-4.000
-2.000
.000

MACH
ELV-L0
ELV-R0

PARAMETRIC VALUES

1.000 BETA
-4.000 ELV-RI
-4.000 EFLAP

.000 DATASET
.000 AF7010
.000 AF7016

DATA SOURCE

ELV-L1
.000
0.000

DATASET
AF7017
AF7015

ELV-L1
4.000
12.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 IN.
EREF 925.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

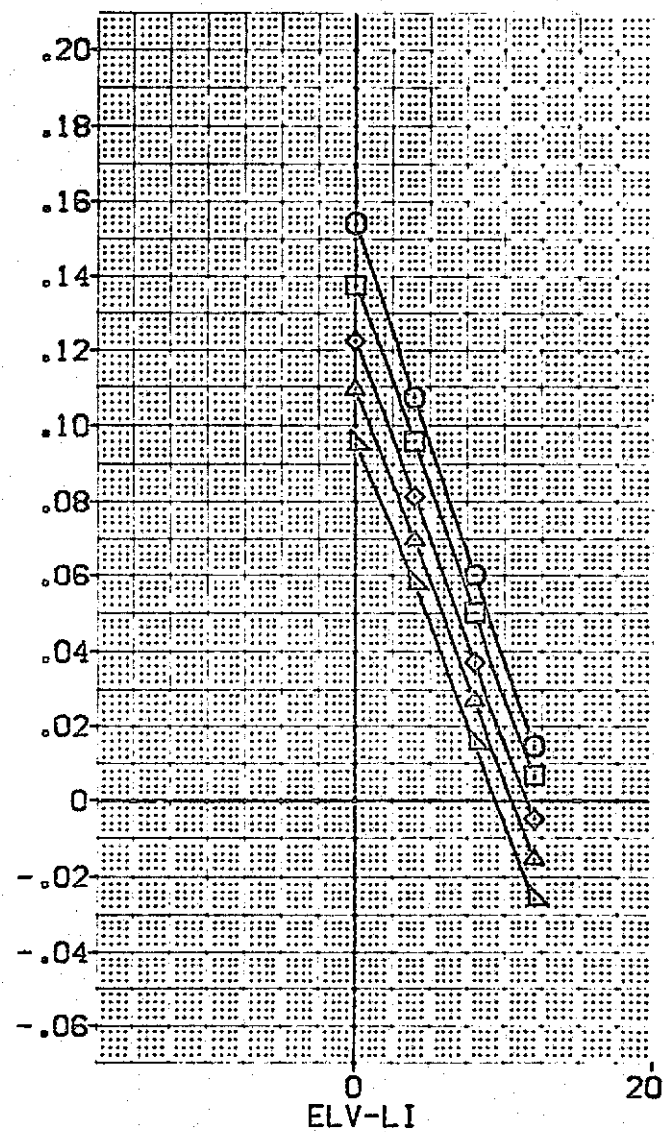
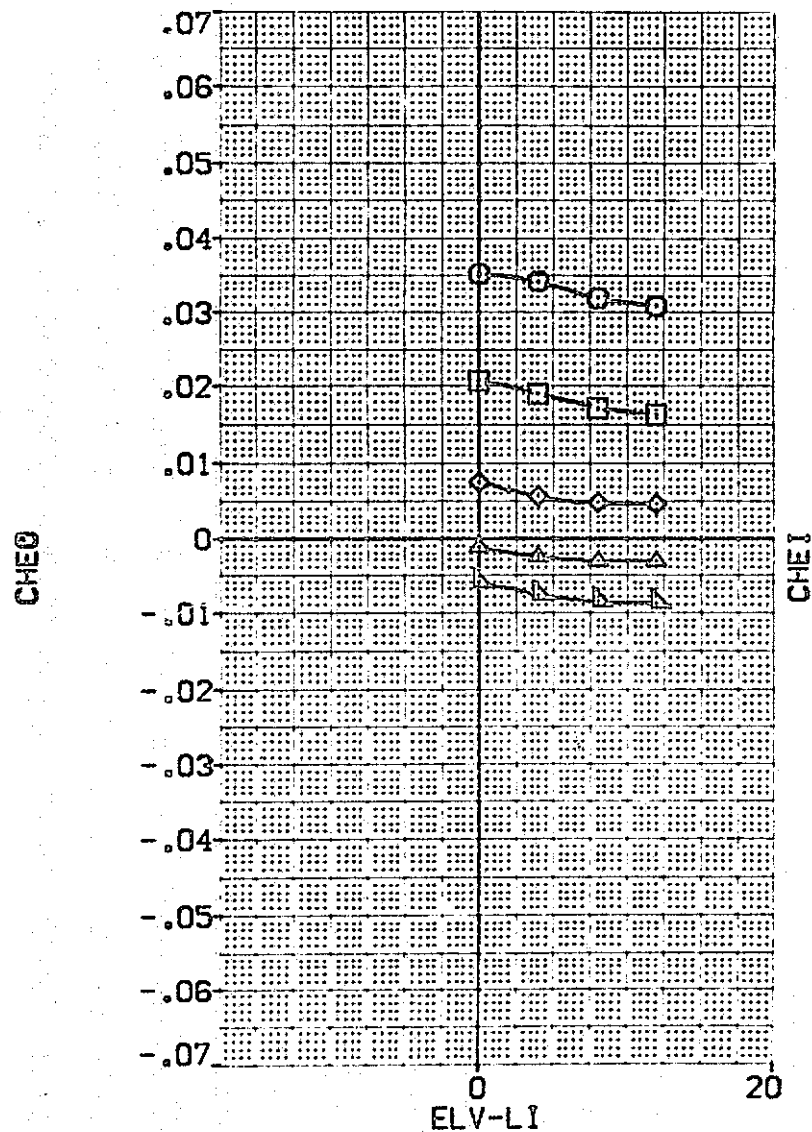


FIG 9 ELEVON EFFECTIVENESS, OTBD ELEVON = -4

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES		DATA SET	DATA SOURCE	ELV-LI	DATA SET	ELV-LI	REFERENCE INFORMATION		
○	2.000		1.500	ETA	.000	AF7010		AF7017	4.000	2350.0000	50.FT.	
□	4.000	ELV-L9	-4.000	ELV-RI	.000	AF7010		AF7015	12.000	474.0000	IN.	
◇	6.000	ELV-R3	-4.000	EFLAP	.000	AF7015				935.7000	IN.	XT
△	8.000									.0000	IN.	YT
										.0000	IN.	ZT
										SCALE	.0150	

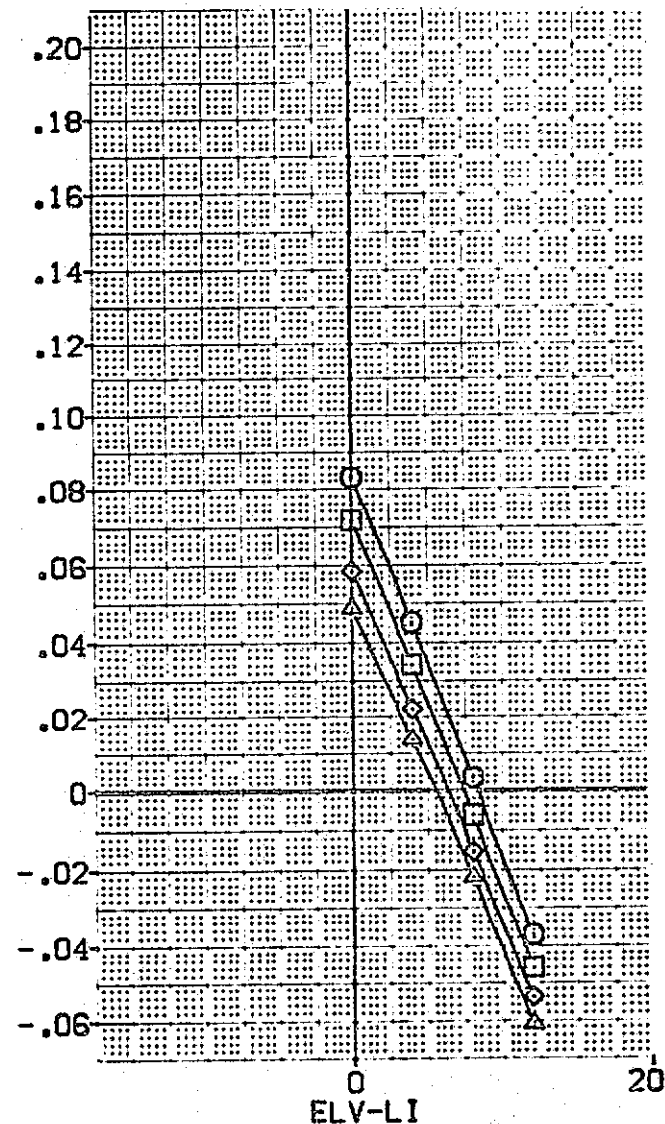
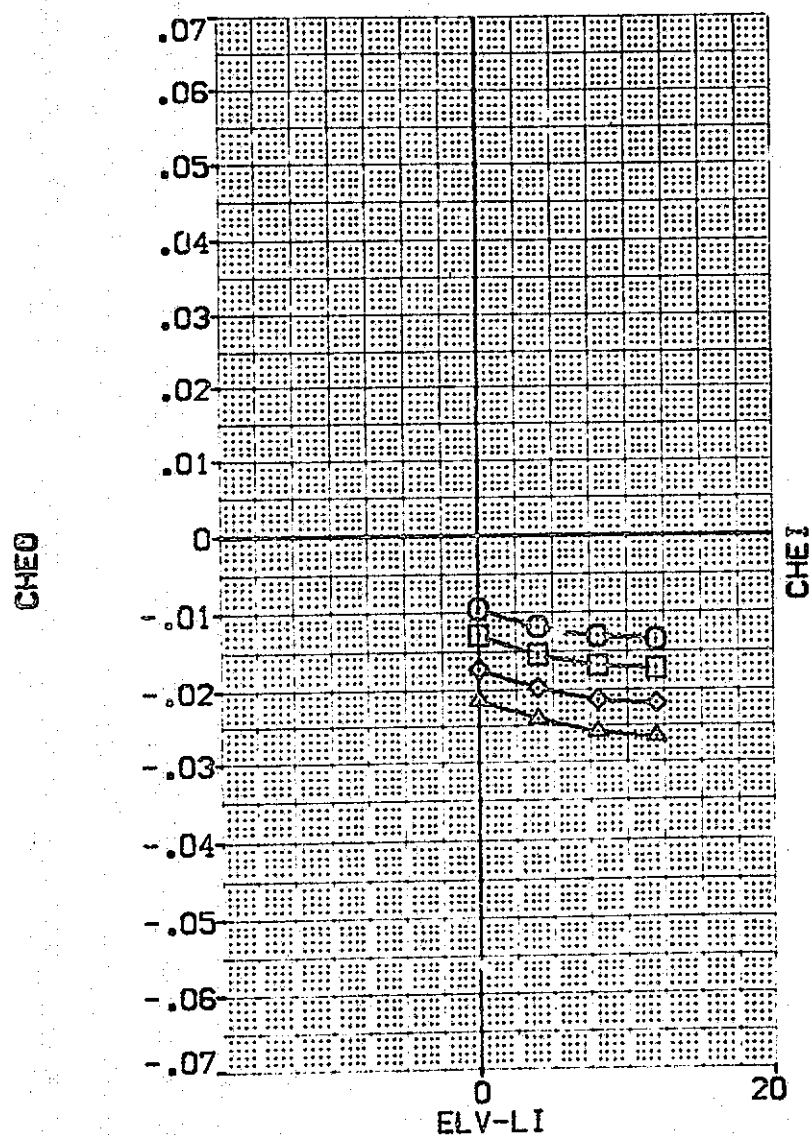


FIG 9 ELEVON EFFECTIVENESS, OTBD ELEVON = -4

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[CF7002] ○ 1A70 01T12S1P2F3
 [AF7019] □ 1A70 01T12S1P2F8
 [AF7020] ◇ 1A70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
8.000	-8.000	.000	.000	LREF	474.8000	IN.
12.000	-8.000	.000	.000	SREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

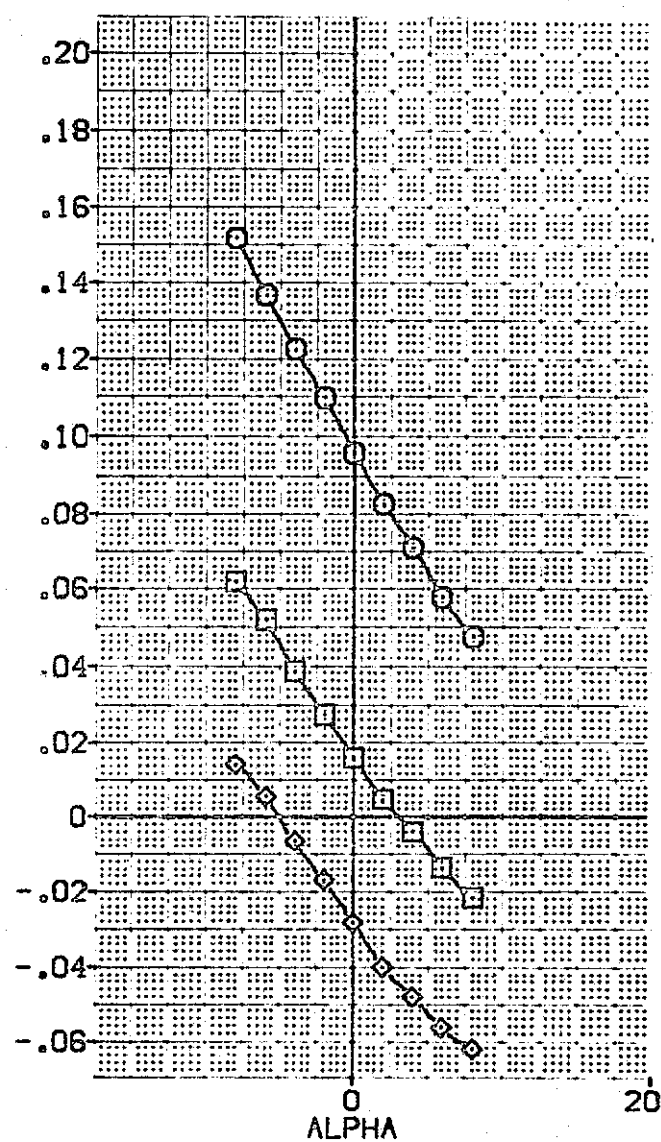
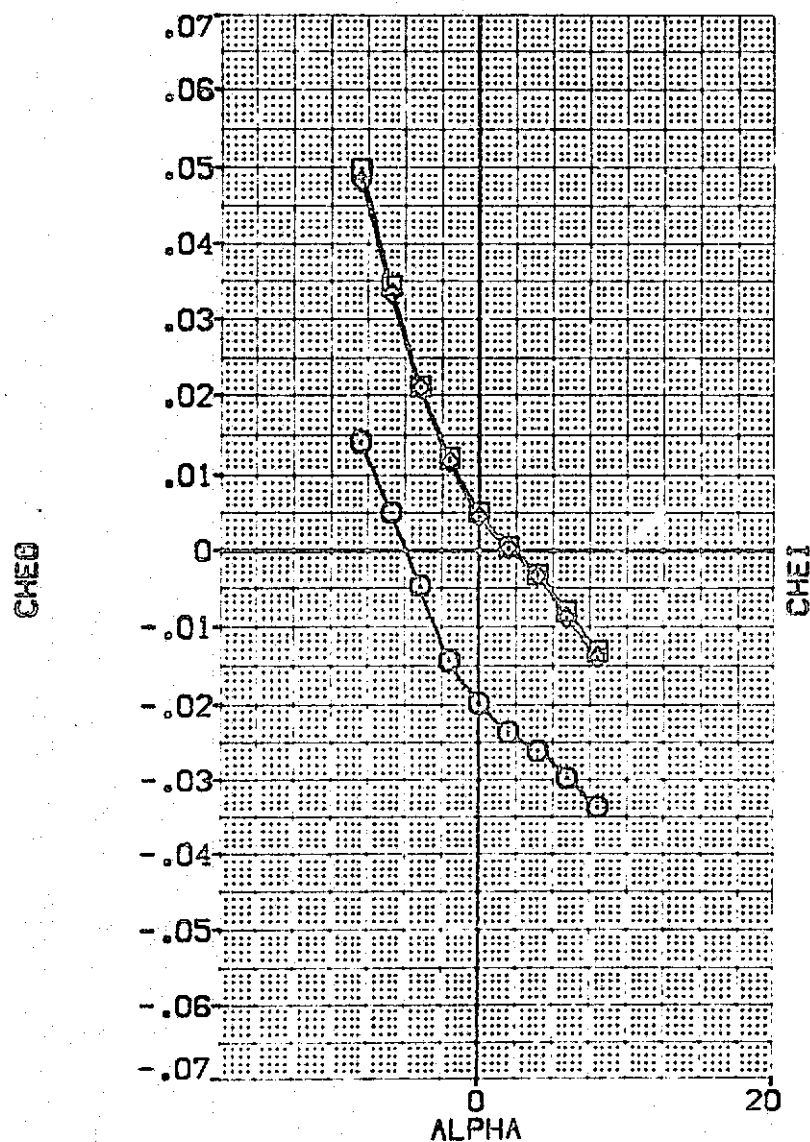


FIG 10 ELEVON EFFECTIVENESS, OTBD ELEVON = -8

(A)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CF7002) □
(AF7019) ◇
(AF7020) ◇

1A70 01T12SIP2F3
1A70 01T12SIP2F3
1A70 01T12SIP2F3

ELV-L1 ELV-L0 CLAP BETA
.000 .000 .000 .000
3.000 -3.000 .000 .000
12.000 -3.000 .000 .000

REFERENCE INFORMATION
SREF 2850.0000 SQ.FT.
LREF 474.6000 IN.
EREF 933.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

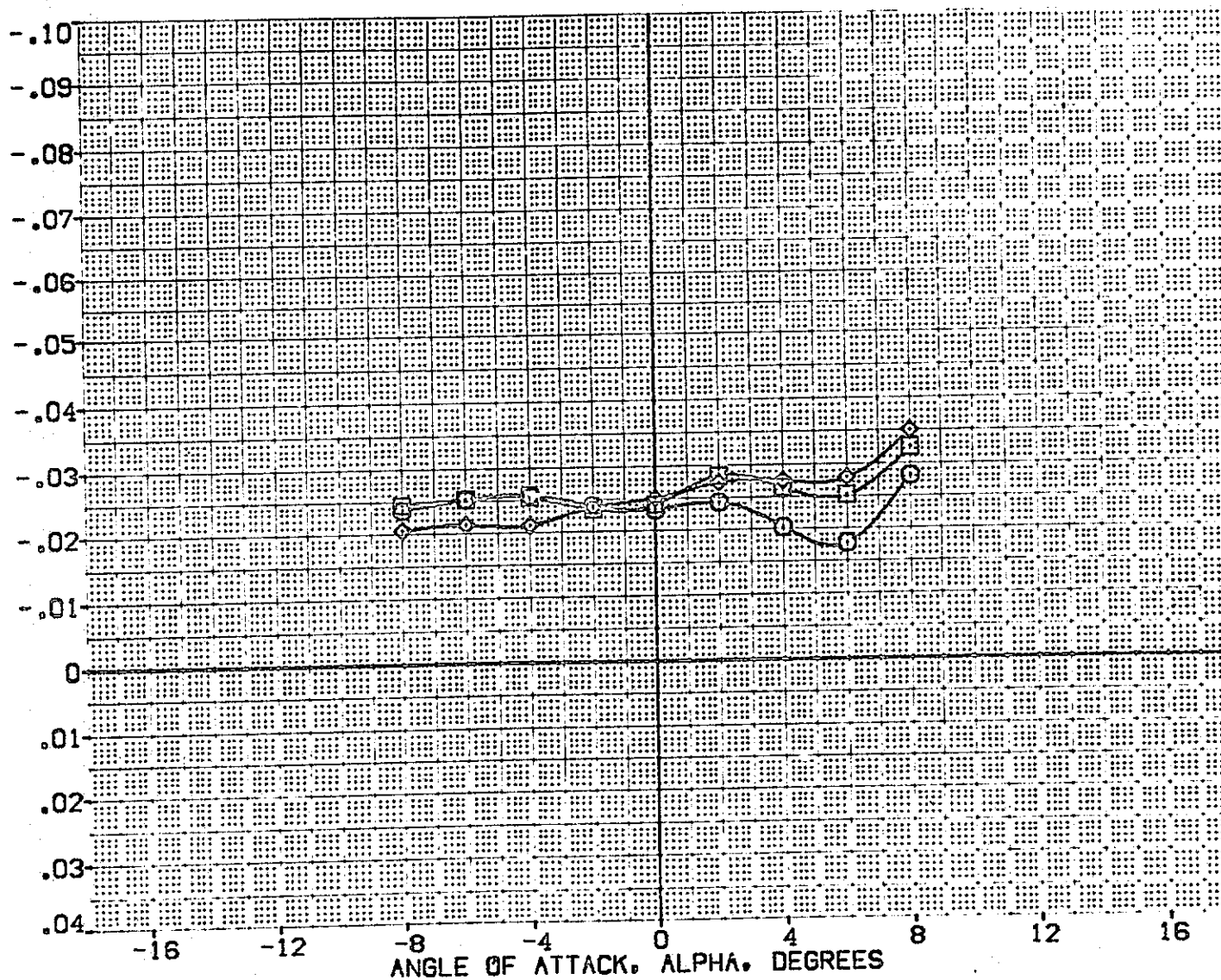


FIG 10 ELEVON EFFECTIVENESS, OTBD ELEVON = -8
(A)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[CF7002] 1A70 01T12S1P2F3
 [AF7019] 1A70 01T12S1P2F3
 [AF7020] 1A70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
0.000	-0.000	.000	.000	LREF	474.6000	IN.
12.000	-8.000	.000	.000	SREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

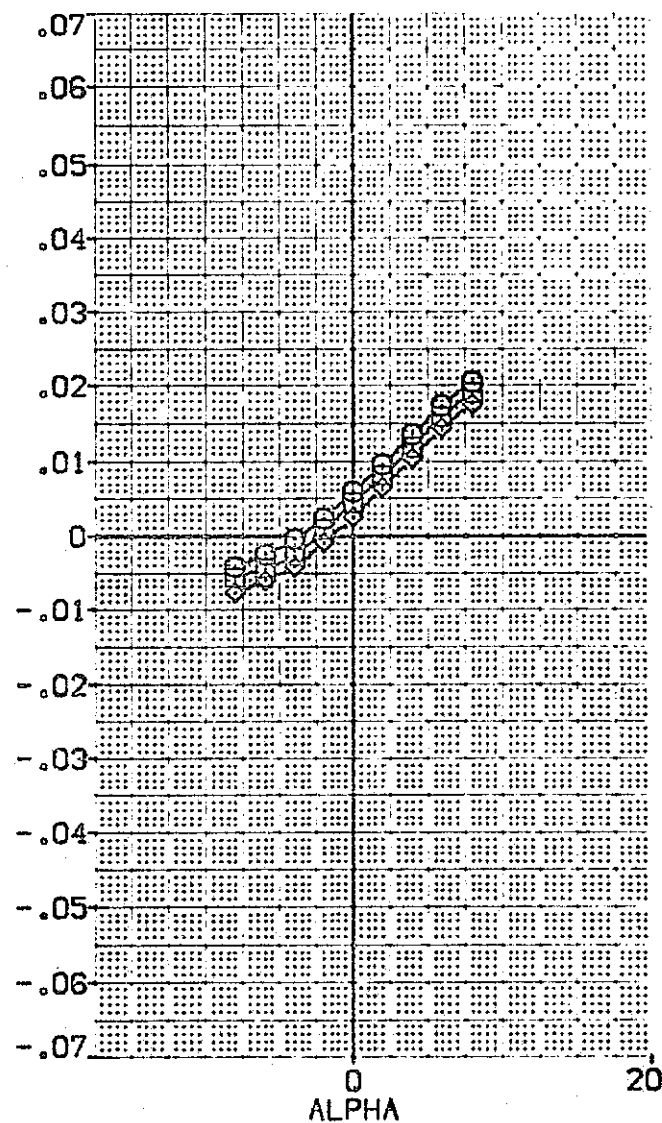
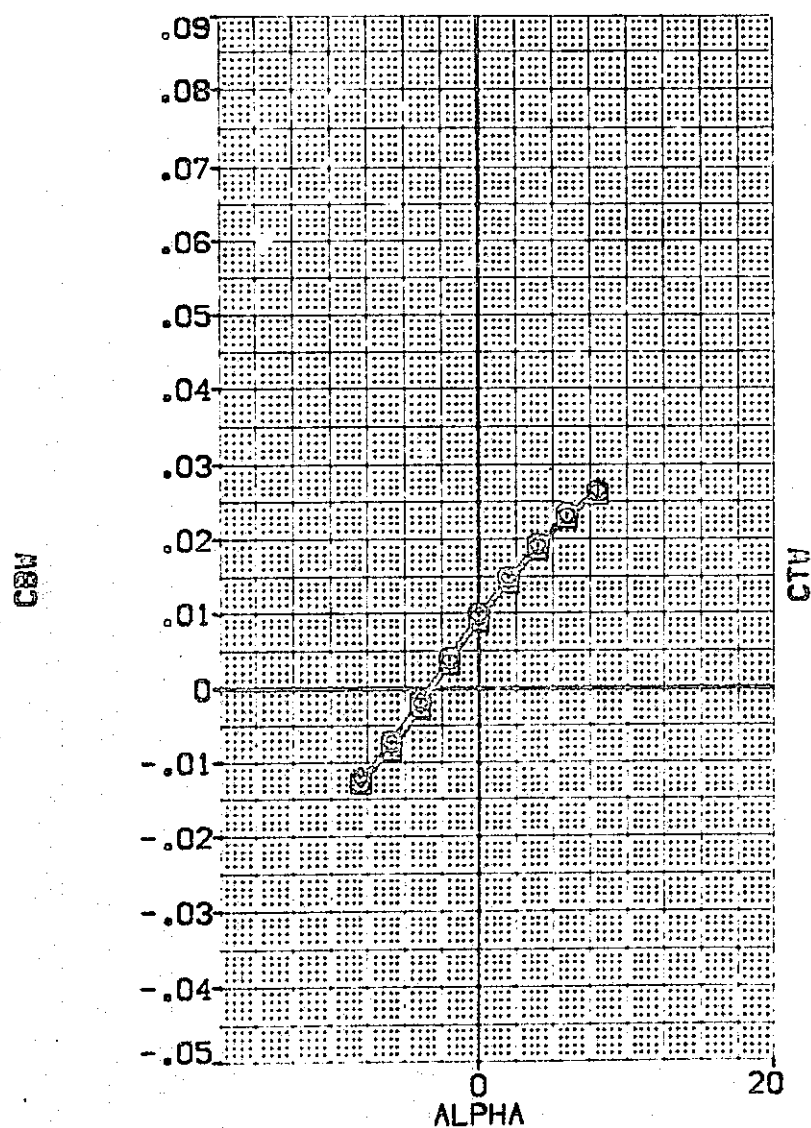


FIG 10 ELEVON EFFECTIVENESS, OTBD ELEVON = -8
 (A)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7018]	○	DATA NOT AVAILABLE
[AF7002]	◇	IA70 01T12SIP2F3
[AF7010]	◇	IA70 01T12SIP2F3
[AF7011]	△	IA70 01T12SIP2F3

ELV-L1	ELV-L2	ELAP	EETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2630.0000	SQ.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	SREF	833.7000	IN.
.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

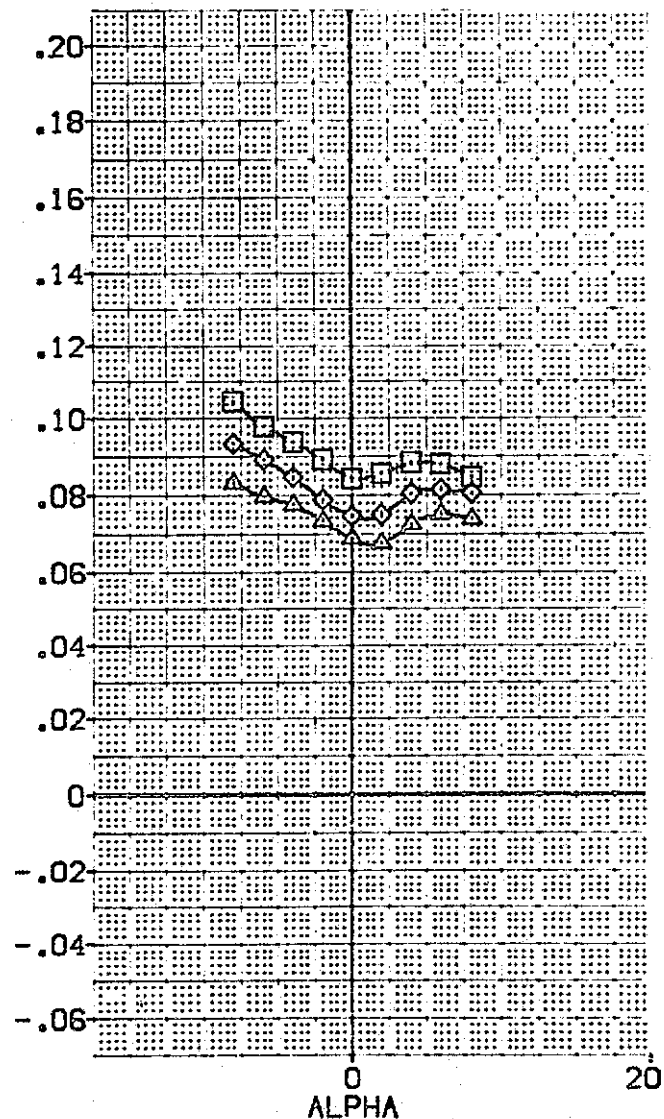
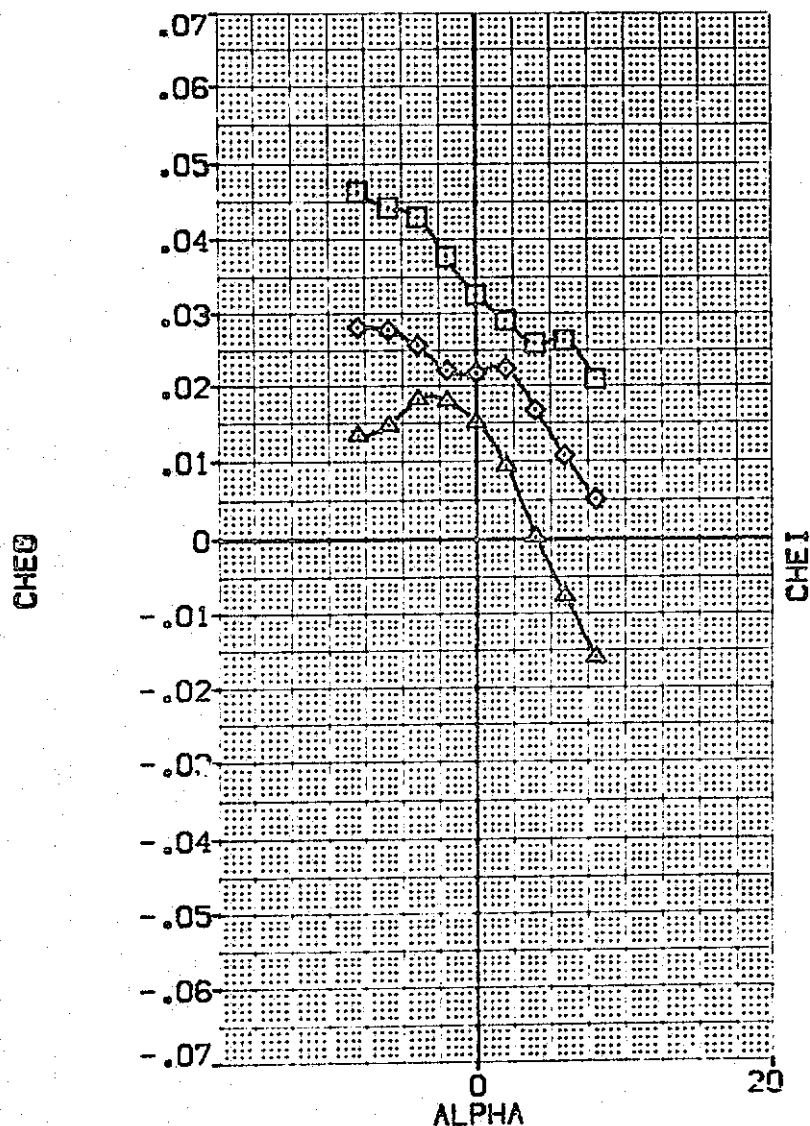


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7010}	○	DATA NOT AVAILABLE
{AF7002}	□	IA70 01T12S1P2F3
{AF7010}	◇	IA70 01T12S1P2F3
{AF7011}	△	IA70 01T12S1P2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2690.0000	SQ.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	BREF	936.7000	IN.
.000	8.000	.000	.000	XMRF	.0000	IN. XT
				YMRF	.0000	IN. YT
				ZMRF	.0000	IN. ZT
				SCALE	.0150	

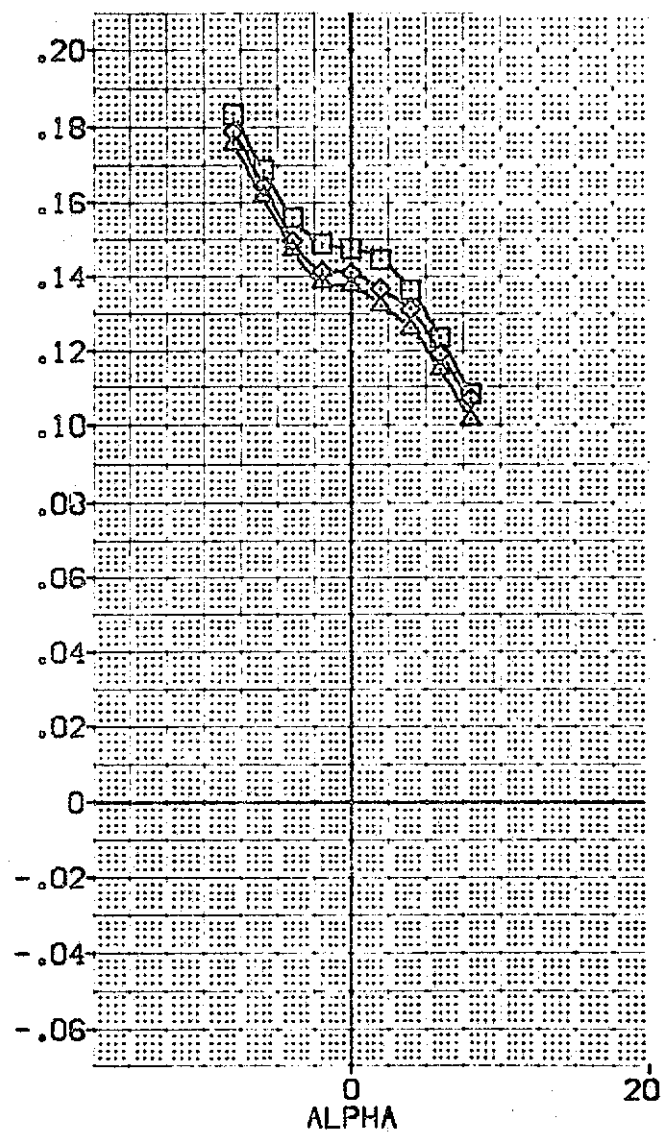
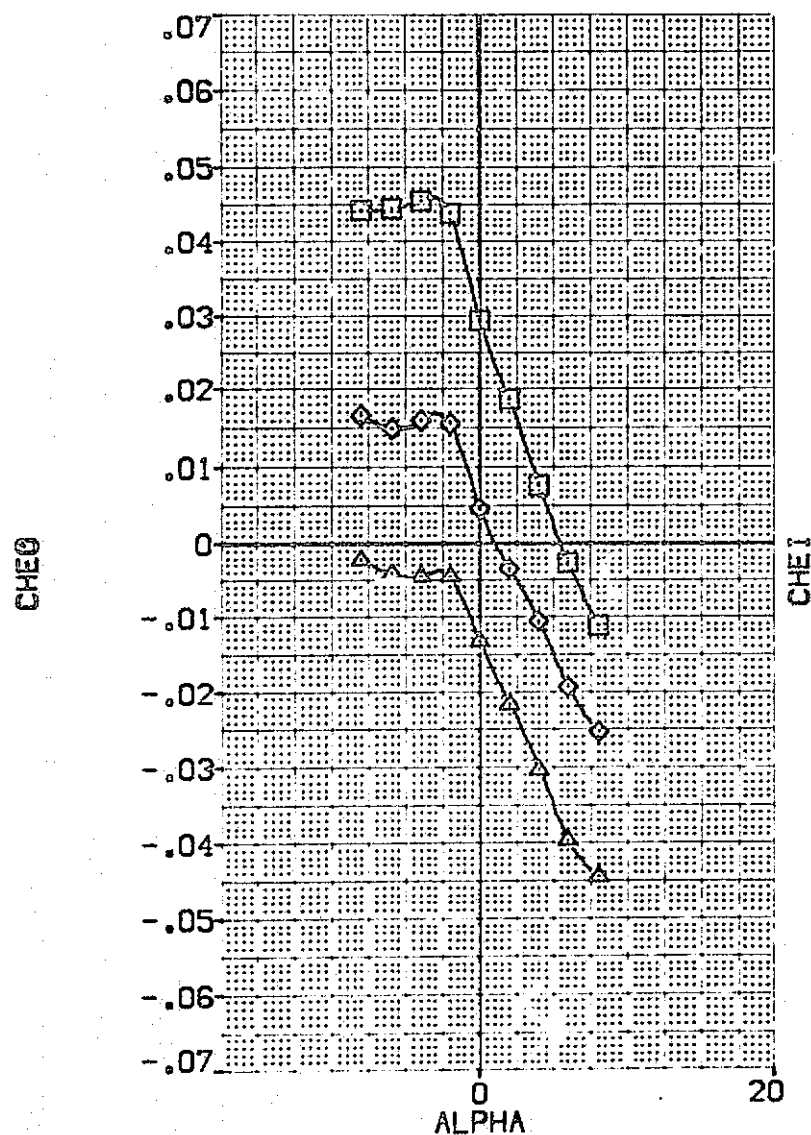


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
(B)MACH = 1.12

DATA SET SWGCL CONFIGURATION DESCRIPTION
 [AF7010] ○ DATA NOT AVAILABLE
 [A 7002] □ 1A70 01T12S1P2F3
 [AF7010] ◇ 1A70 01T12S1P2F3
 [AF7011] △ 1A70 01T12S1P2F3

ELV-L1	ELV-L8	CLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2620.0000	50.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	EREF	955.7000	IN.
.000	8.000	.000	.000	XMRF	.0000	IN. XT
				YMRF	.0000	IN. YT
				ZMRF	.0000	IN. ZT
				SCALE	.0150	

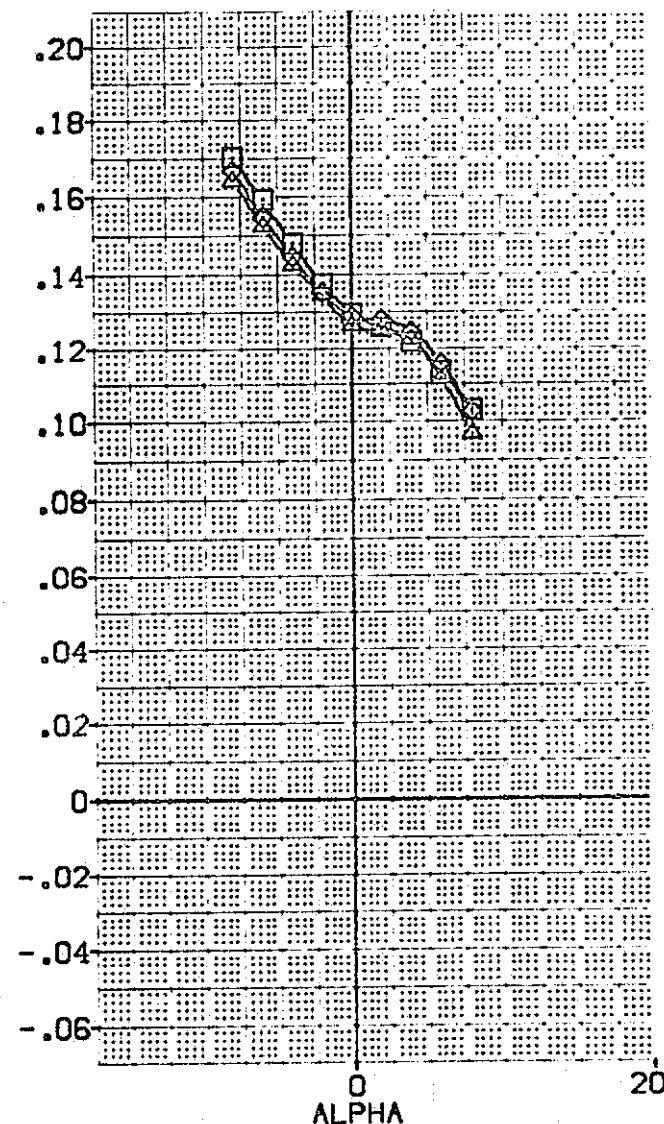
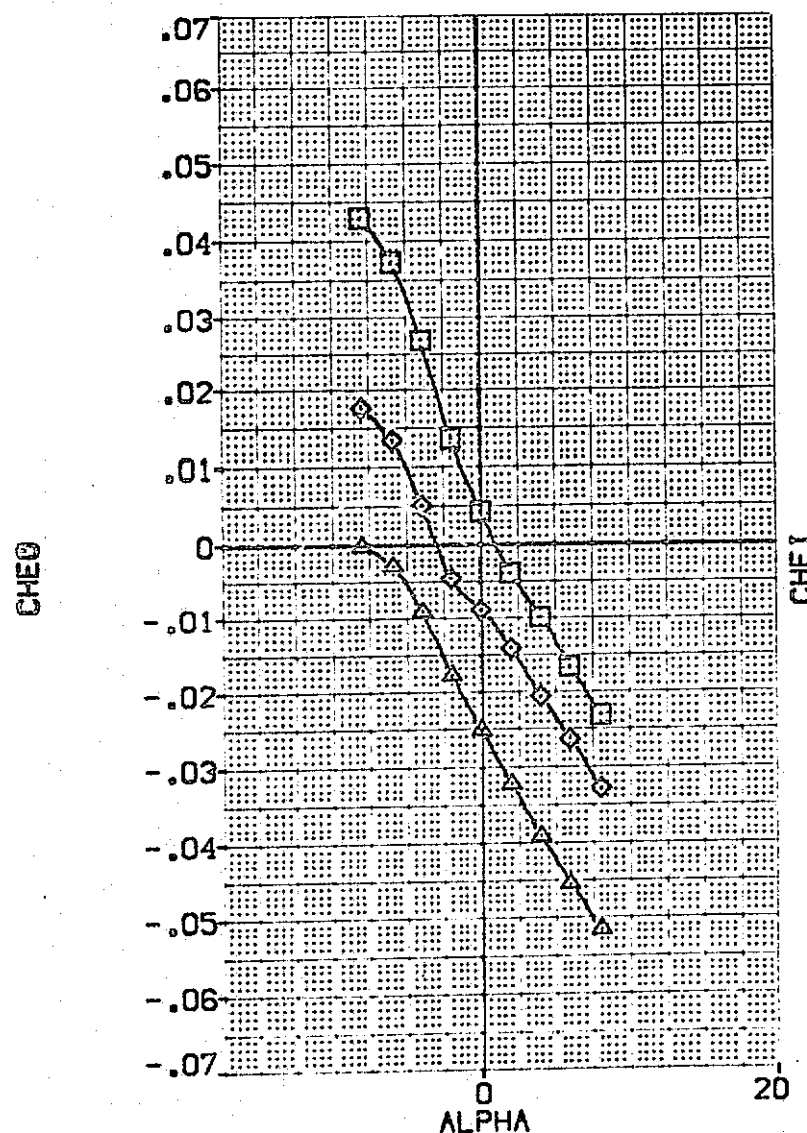


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019] □ 1A70 01T12S1P2F0
 [AF7002] □ 1A70 01T12S1P2F0
 [AF7010] ◇ DATA NOT AVAILABLE
 [AF7011] △ DATA NOT AVAILABLE

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2650.0000	50.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	BREF	936.7000	IN.
.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

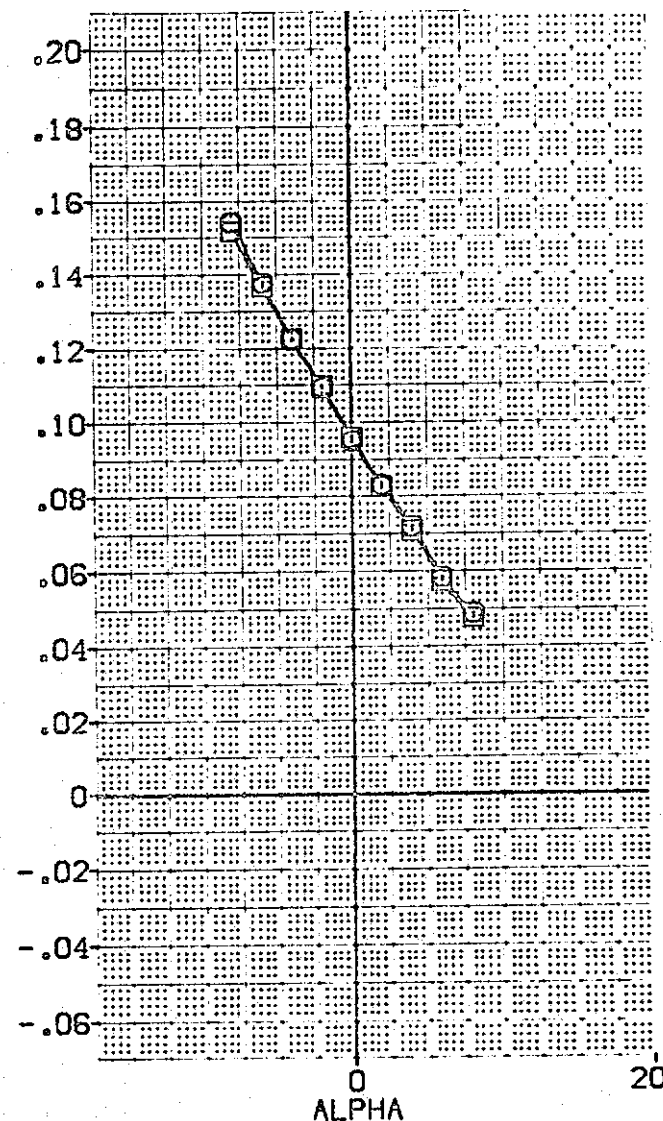
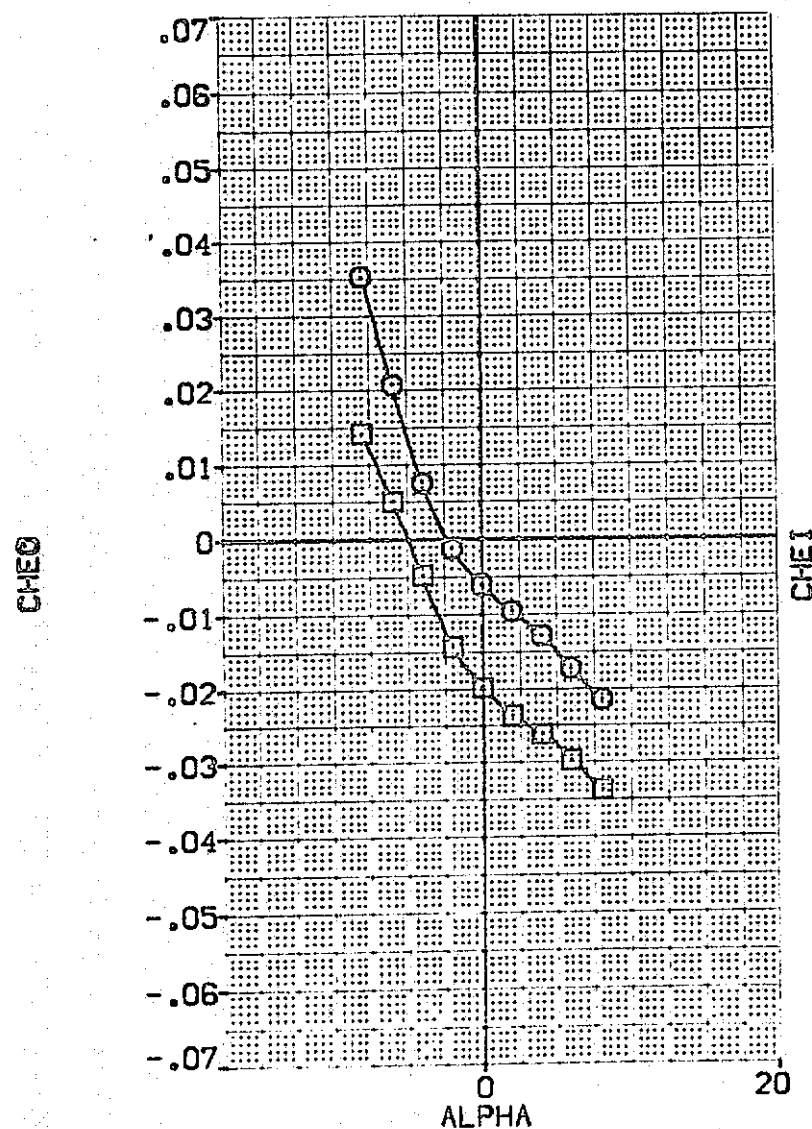


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (D)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010] □ DATA NOT AVAILABLE
 [AF7002] □ 1A70 0112SIP2F3
 [AF7010] ◇ 1A70 0112SIP2F8
 [AF7011] △ 1A70 0112SIP2F8

ELV-L1	ELV-L0	CLAP	BETA	REFERENCE INFORMATION	
.000	-4.000	.000	.000	SREF	2650.0000 SQ.FT.
.000	.000	.000	.000	LREF	474.8000 IN.
.000	4.000	.000	.000	BREF	933.7000 IN.
.000	8.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

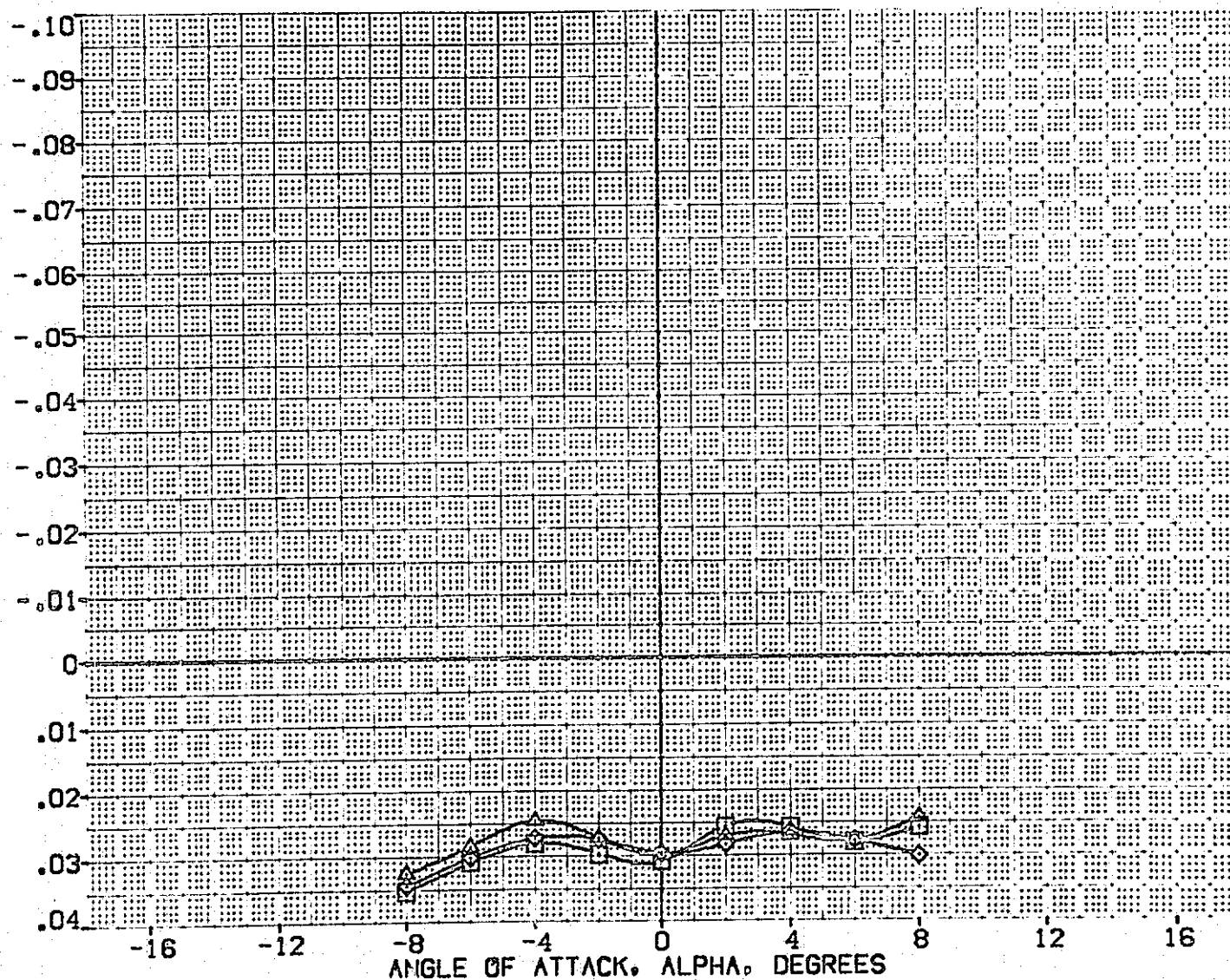


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7010} DATA NOT AVAILABLE
 {AF7002} 1A70 01T12SIP2F3
 {AF7010} 1A70 01T12SIP2F3
 {AF7011} 1A70 01T12SIP2F3

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2690.0000	SQ.FT.
.000	.000	.000	.000	LREF	474.8000	IN.
.000	4.000	.000	.000	BREF	936.7000	IN.
.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

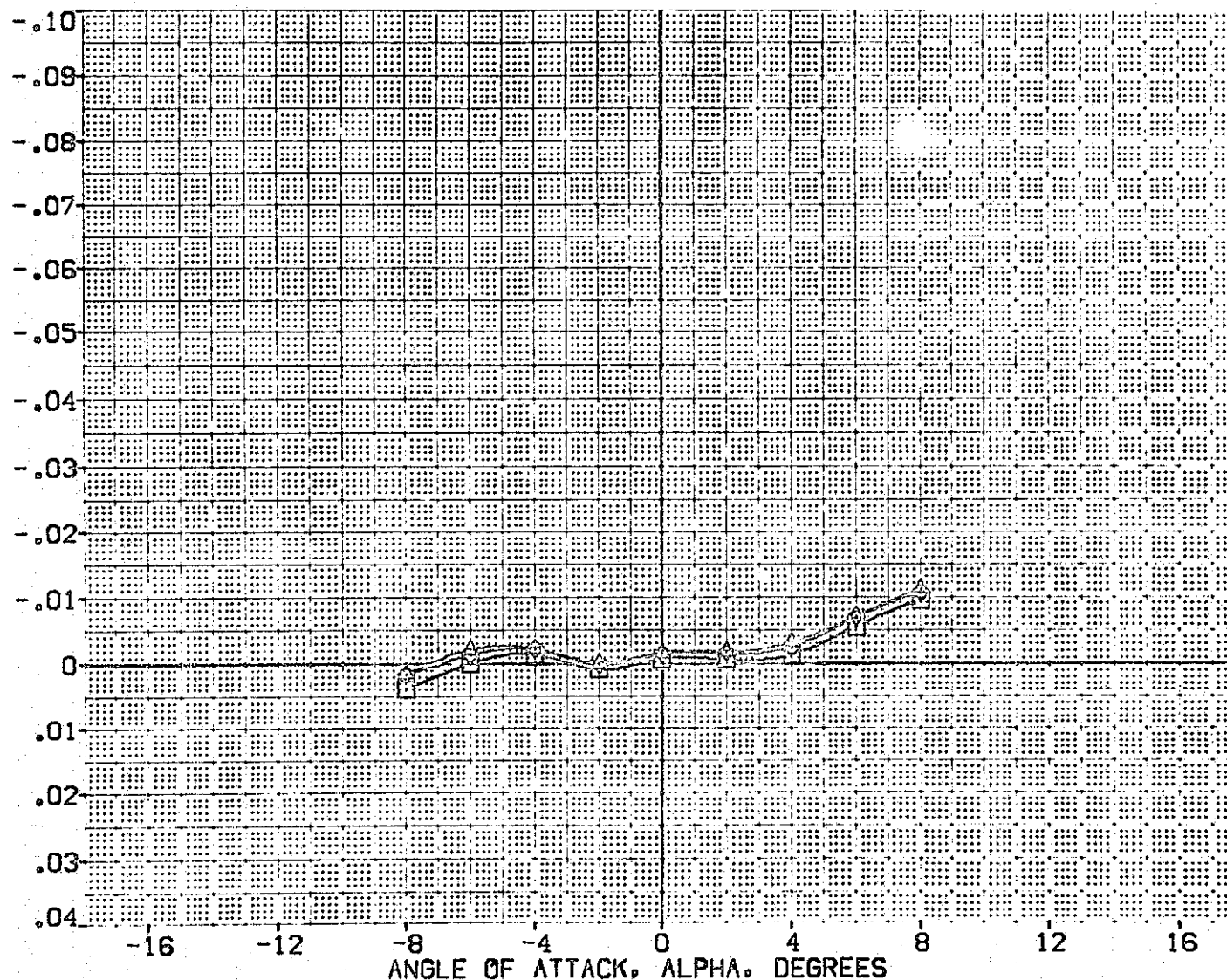


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7010]	DATA NOT AVAILABLE
[AF7002]	1A70 01T12SIP2F8
[AF7010]	1A70 01T12SIP2F3
[AF7011]	1A70 01T12SIP2F3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION
.000	-4.000	.000	.000	SREF 2690.0000 SQ.FT.
.000	.000	.000	.000	LREF 474.8000 IN.
.000	4.000	.000	.000	EREF 936.7000 IN.
.000	8.000	.000	.000	XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

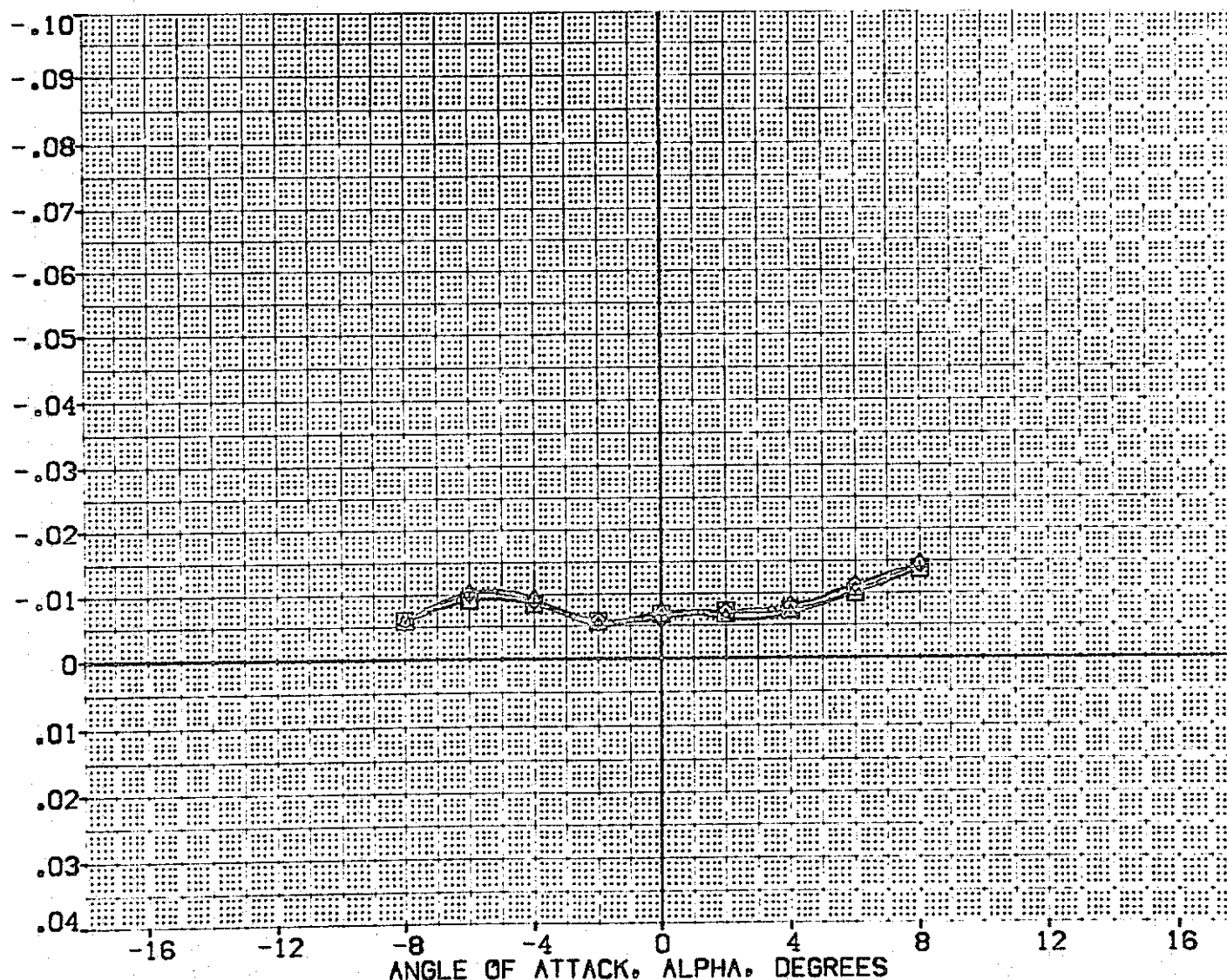


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7010]	□ 1A70 01T12S1P2P3
[AF7002]	□ 1A70 01T12S1P2P8
[AF7010]	◇ DATA NOT AVAILABLE
[AF7011]	△ DATA NOT AVAILABLE

ELV-L1	ELV-L0	SLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2690.0000	SG.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	BREF	935.7000	IN.
.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

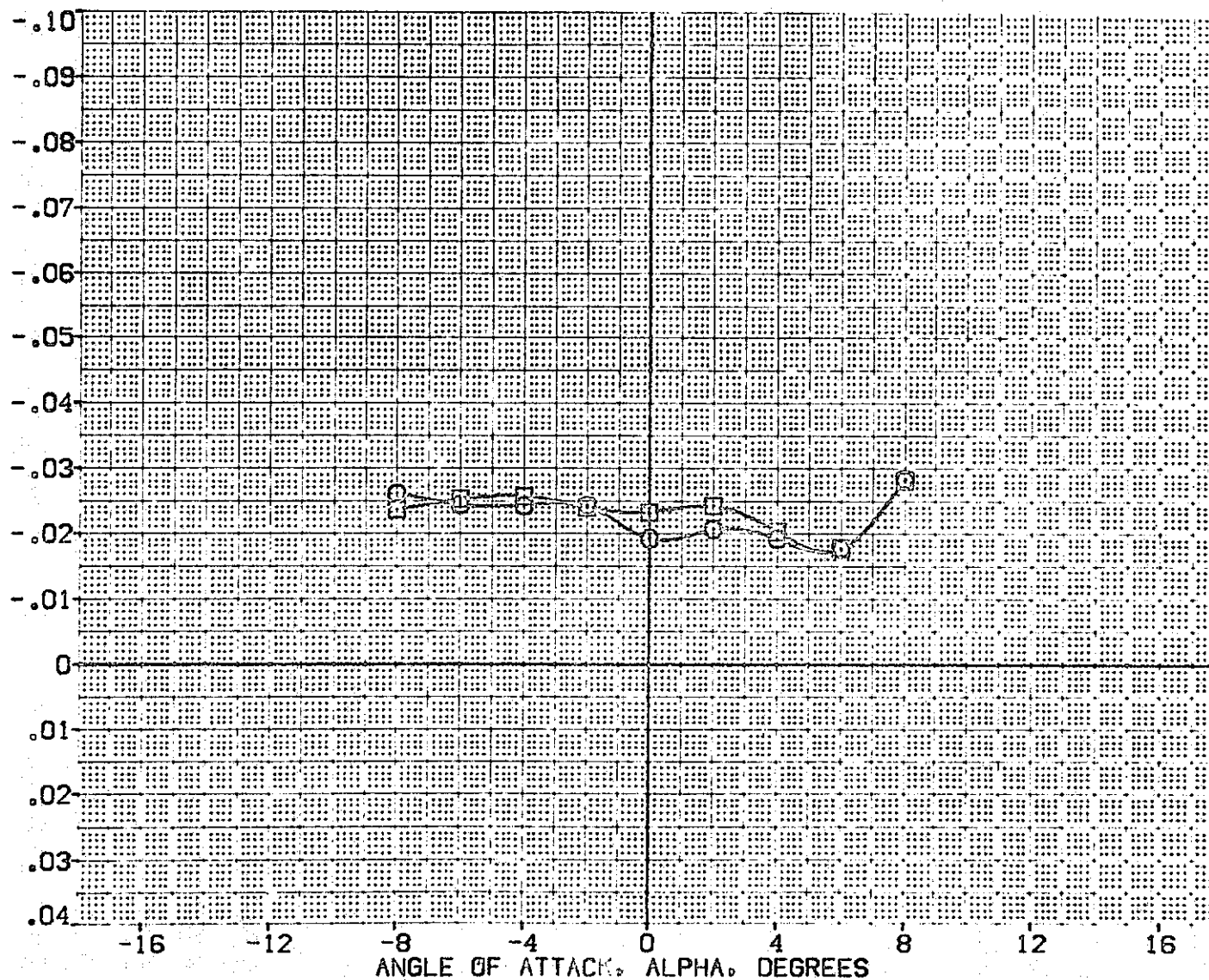


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
(D)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010]	□	DATA NOT AVAILABLE
[AF7002]	□	IA70 01T1251P2F3
[AF7010]	○	IA70 01T1251P2F3
[AF7011]	△	IA70 01T1251P2F3

ELV-L1	ELV-L8	EFLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.070	.000	GREF	2630.0000	60.FT.
.000	.000	.700	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	BREF	935.7000	IN.
.000	0.000	.000	.000	XMAP	.0000	IN. XT
				YMAP	.0000	IN. YT
				ZMAP	.0000	IN. ZT
				SCALE	.0150	

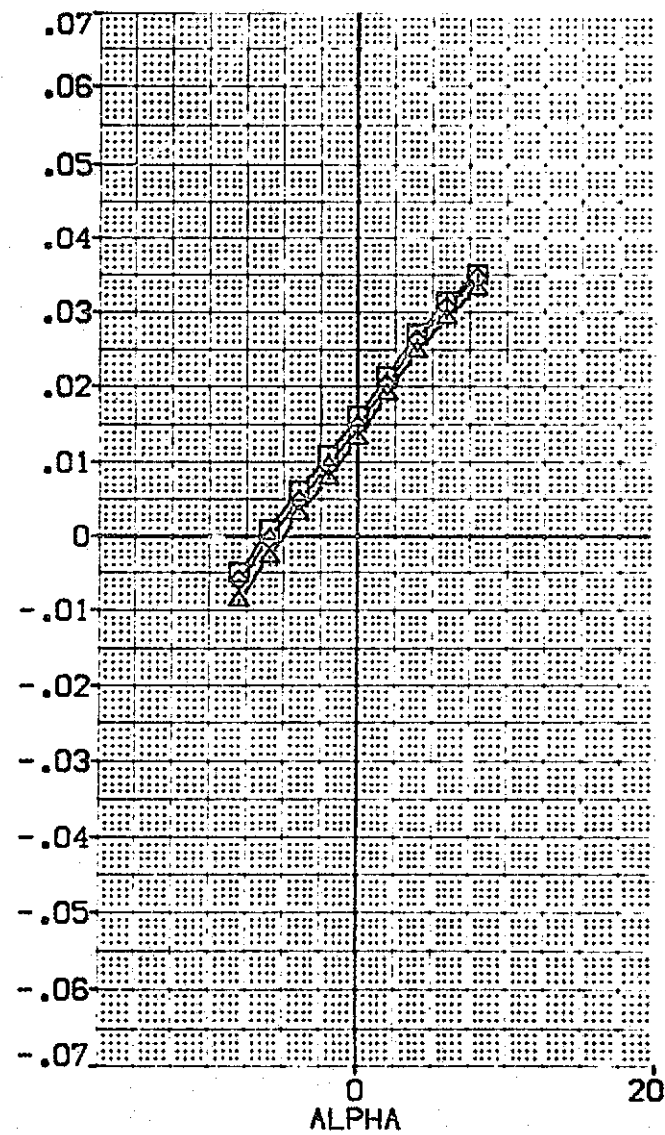
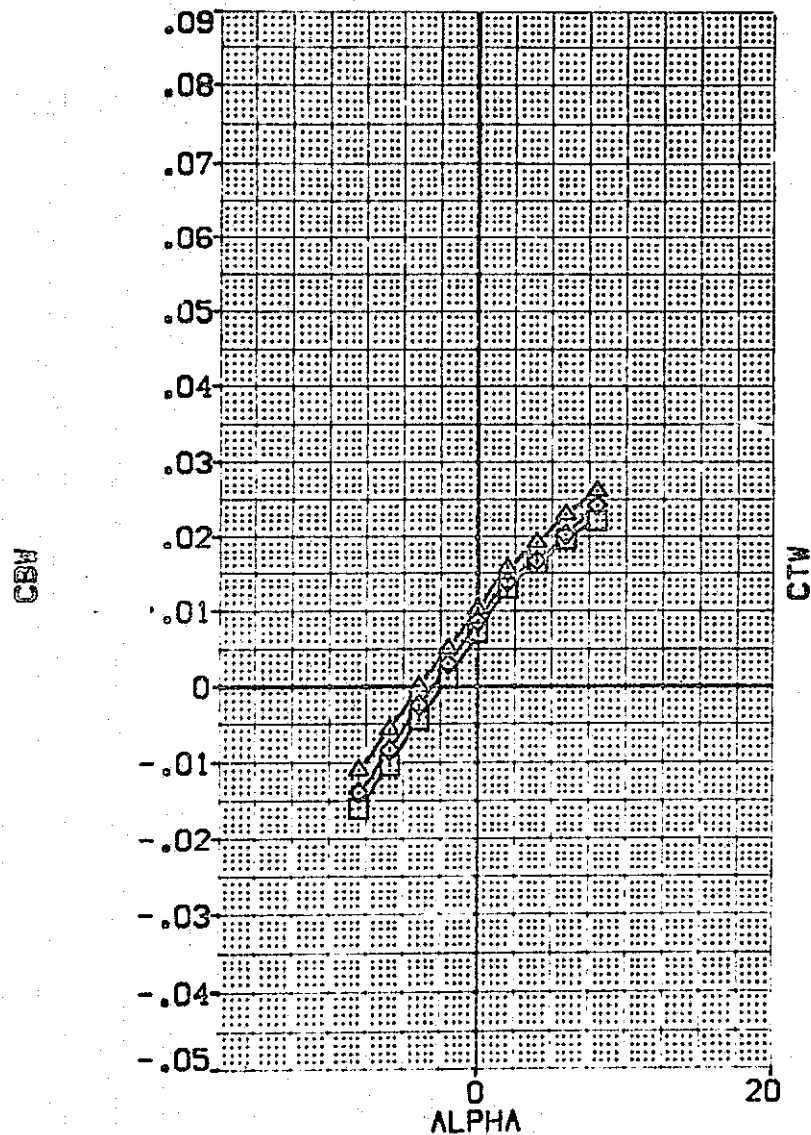


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
CA/MACH = .90

DATA SET OVERL Configuration DESCRIPTION

[AF7018] DATA NOT AVAILABLE
 [AF7002] 1A70 01T12SIP2P3
 [AF7010] 1A70 01T12SIP2P3
 [AF7011] 1A70 01T12SIP2P3

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION	
.000	-4.000	.000	.000	SREF	2690.0000 SQ.FT.
.000	.000	.000	.000	LREF	474.8000 IN.
.000	4.000	.000	.000	BREF	935.7000 IN.
.000	8.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

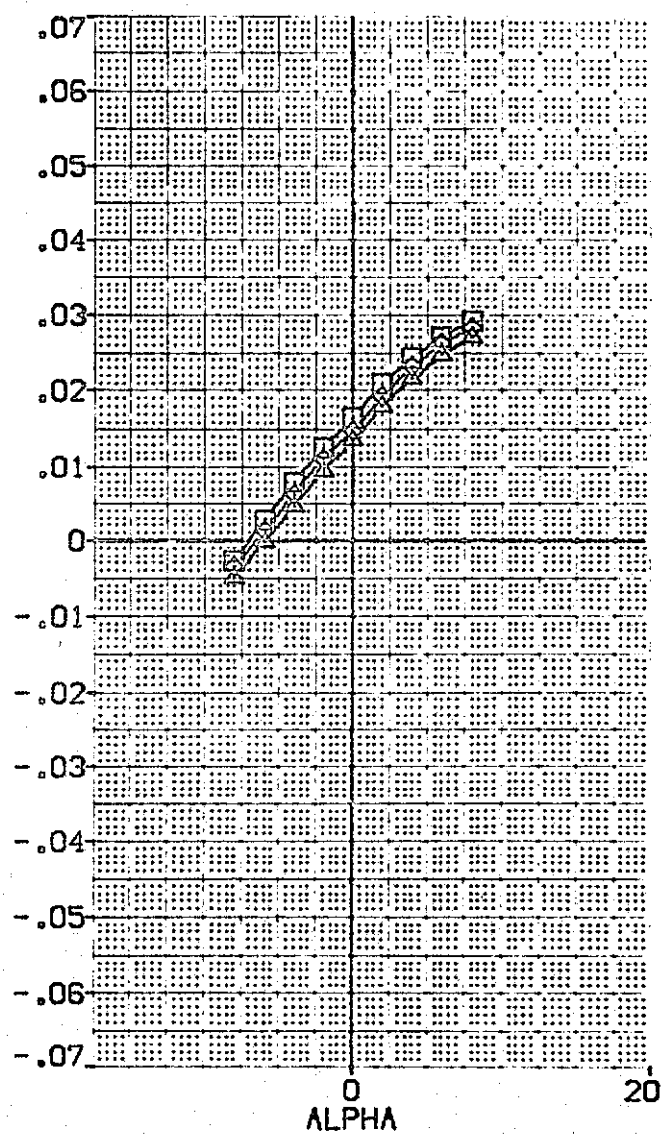
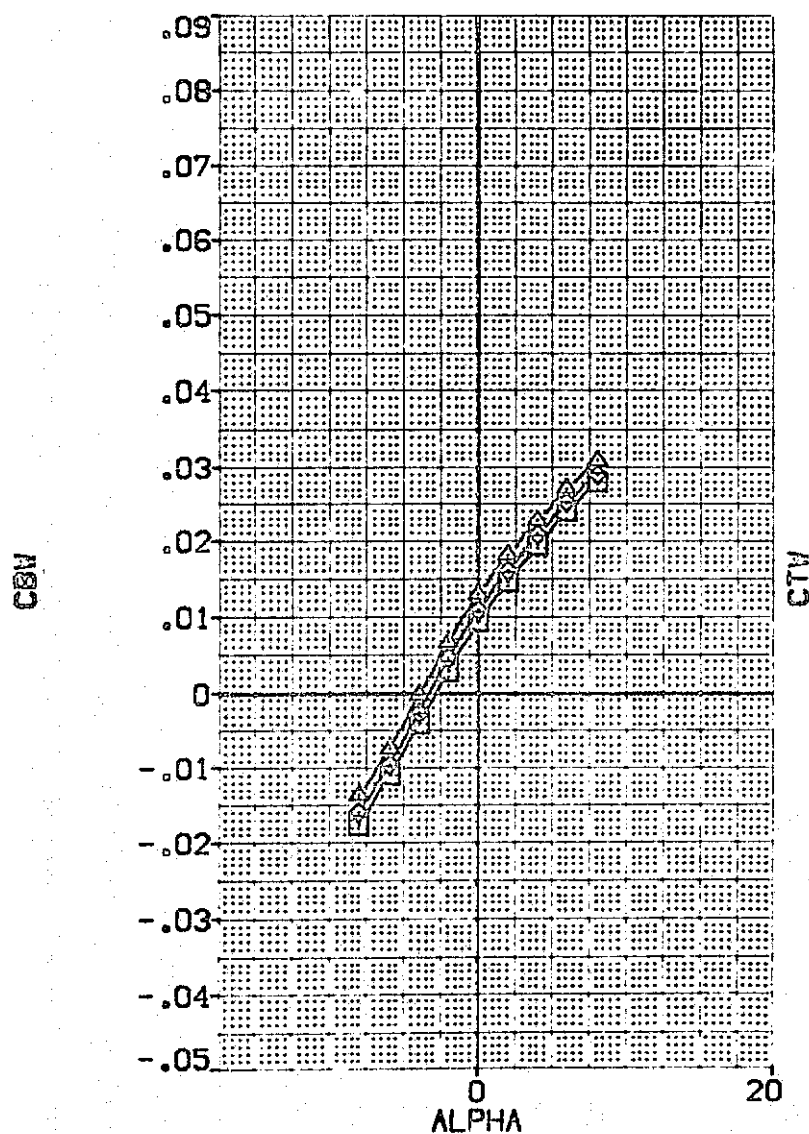


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (B)MACH = 1.12

DATA SET SWGL CONFIGURATION DESCRIPTION
 [AF7010] ○ DATA NOT AVAILABLE
 [AF7002] □ 1A70 0171251P2F3
 [AF7010] △ 1A70 0171251P2F3
 [AF7011] △ 1A70 0171251P2F3

ELV-L1	ELV-L2	EFLAP	BETA	REFERENCE INFORMATION	
.000	-4.000	.000	.000	SREF	2393.0000 SQ.FT.
.000	.000	.000	.000	LREF	474.8000 IN.
.000	4.000	.000	.000	BREF	925.7000 IN.
.000	0.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

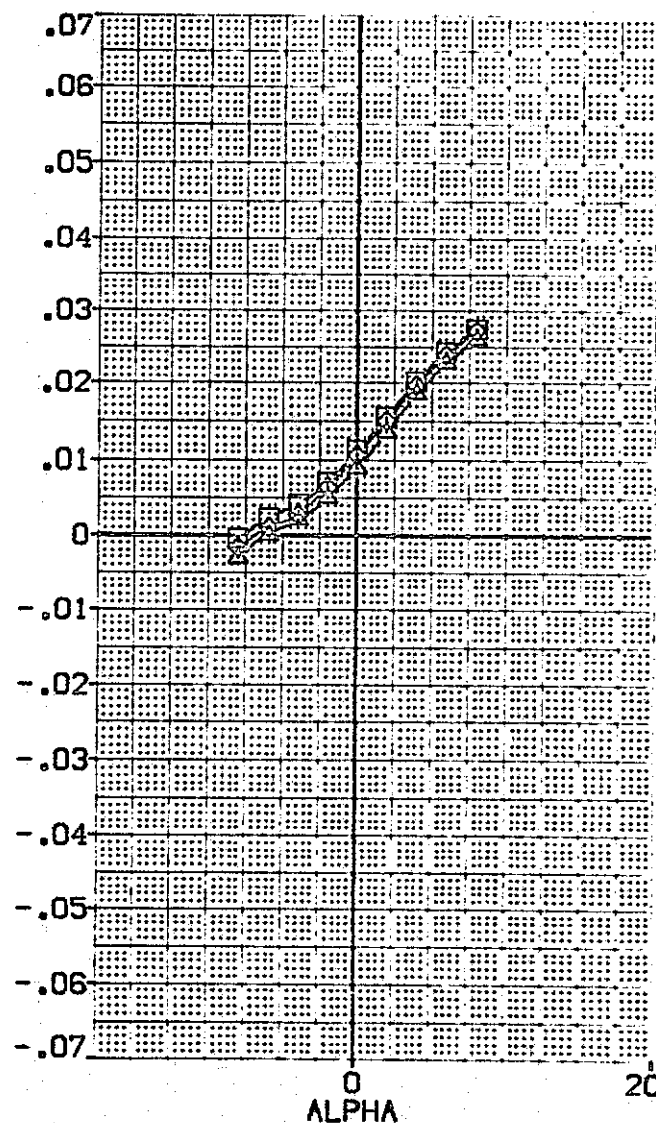
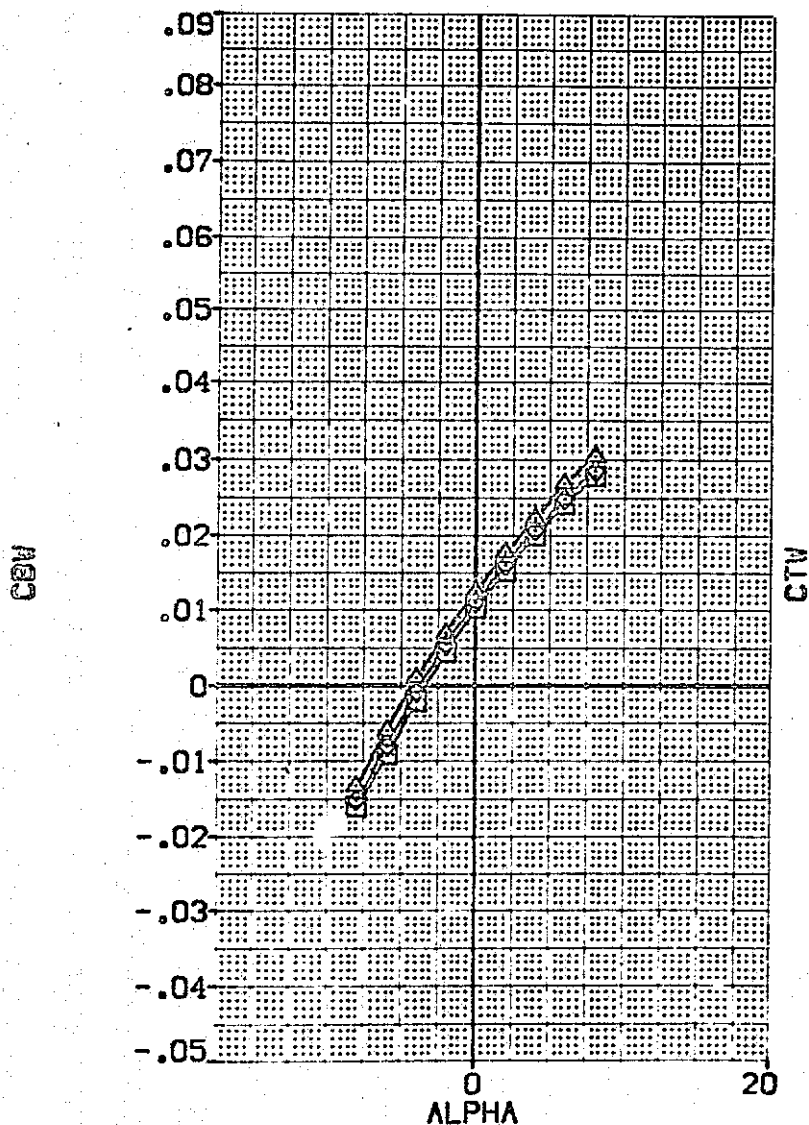


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7010} 1A70 0111231P2F3
 {AF7002} 1A70 0111231P2F3
 {AF7010} DATA NOT AVAILABLE
 {AF7011} DATA NOT AVAILABLE

ELV-L1	ELV-L6	CLAP	BETA	REFERENCE INFORMATION		
.000	-4.000	.000	.000	SREF	2350.0000	50.FT.
.000	.000	.000	.000	LREF	474.6000	IN.
.000	4.000	.000	.000	EREF	933.7000	IN.
.000	6.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

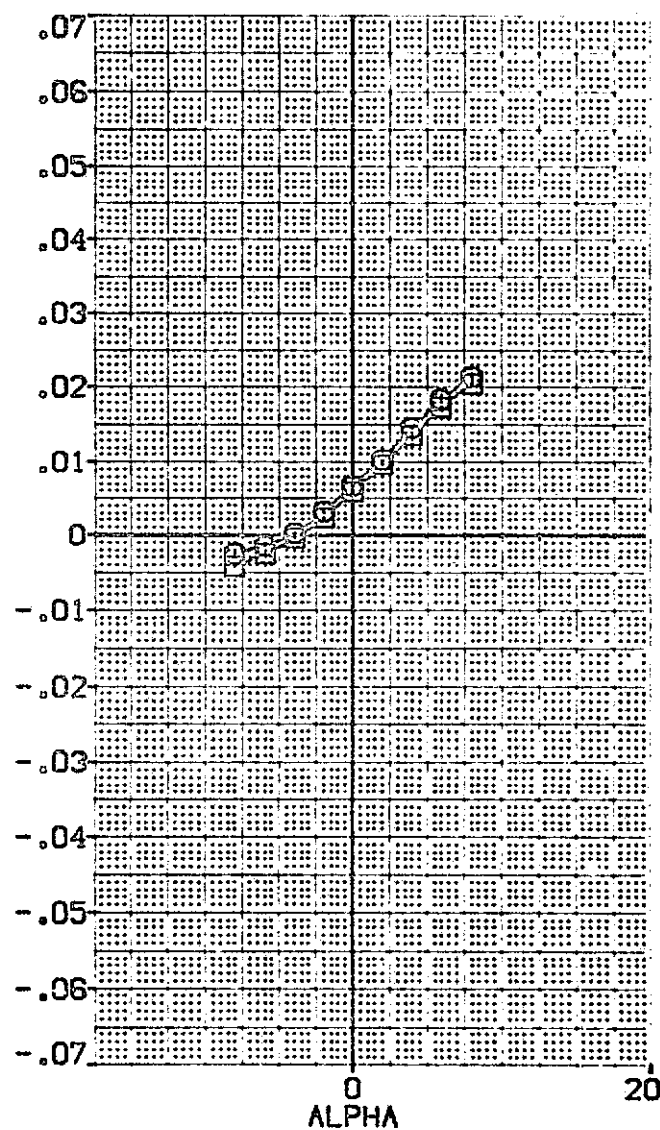
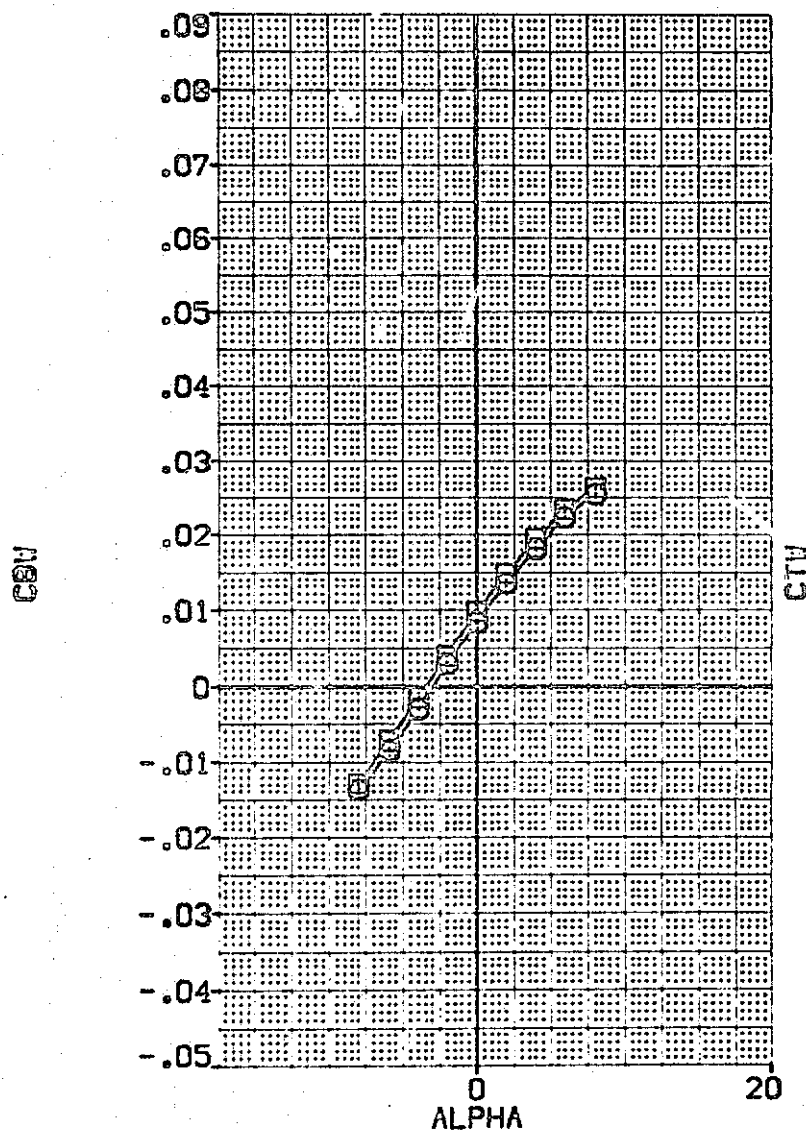


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0
 (D)MACH = 1.50

IA70 01T12S1P2P8

[AF7018]

SYMBOL
 ○
 □
 ◇
 △
 ▽

PARAM	PARAMETRIC VALUES
ALPHA	.000
MACH	.000
ELV-LI	.000
ELV-RO	-4.000
BETA	.000
ELV-RI	.000
SLAP	.000

DATA SOURCE	DATA SET	ELV-L0
AF7010	-4.000	.000
AF7011	4.000	.000

REFERENCE INFORMATION	SD.FT.
SRF	2850.0000
LREF	474.0000
BREF	935.7000
XMRP	.0000
YMRP	.0000
ZMRP	.0000
SCALE	.0150

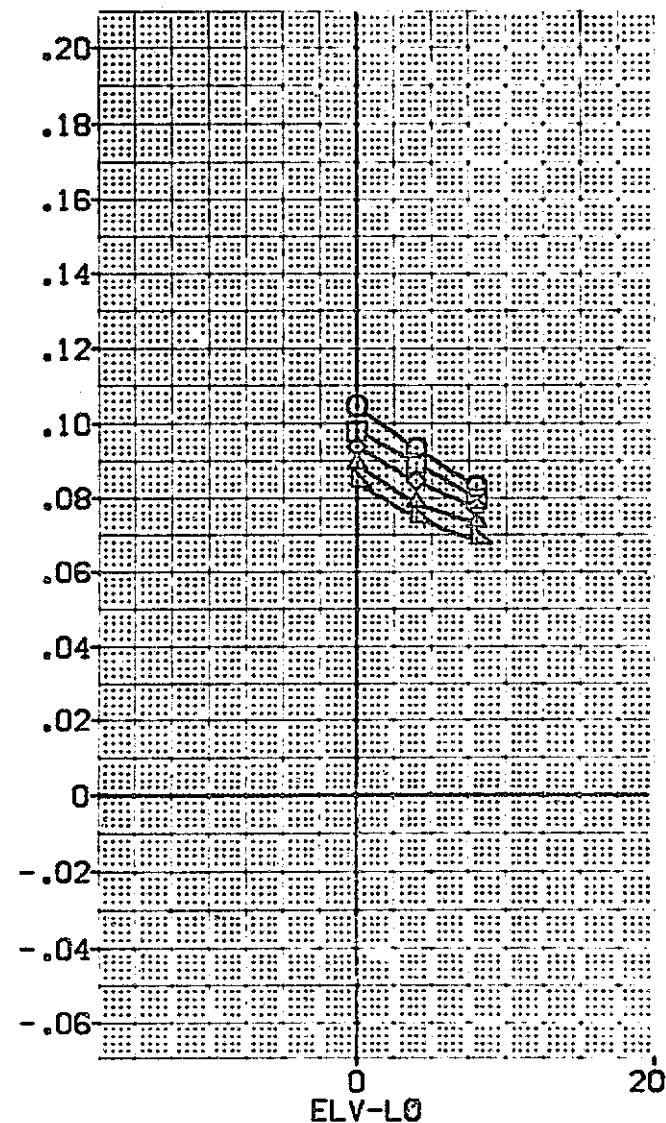
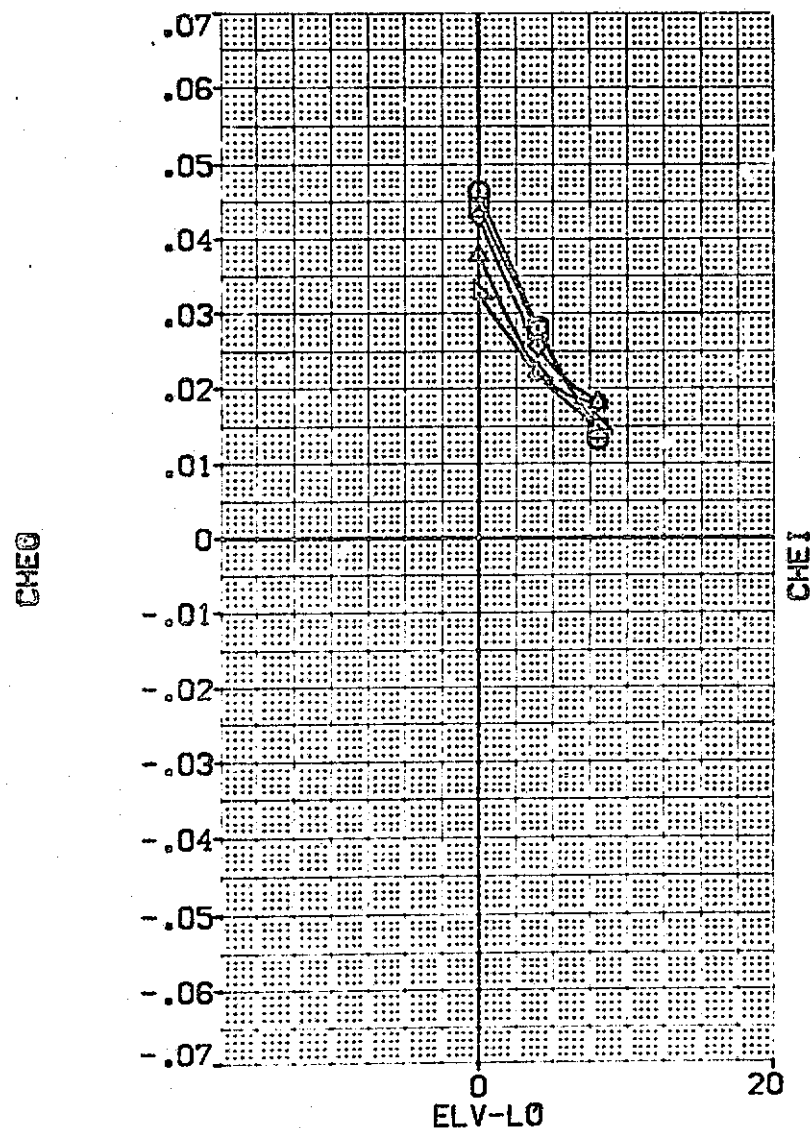


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

IA70 01T12S1P2P8

(AF7018)

SYMBOL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

HASH
ELV-L1
ELV-R3

PARAMETRIC VALUES

.000 BETA
.000 ELV-R1
-4.000 ELAP

.000 DATASET
.000 AF7010
.000 AF7010

DATA SOURCE

ELV-L0
-4.000
4.000

DATASET
AF7002
AF7011

ELV-L0
.000
0.000

REFERENCE INFORMATION

QREF 2050.0000 IN. FT.
LREF 474.8000 IN.
SREF 953.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

CHED

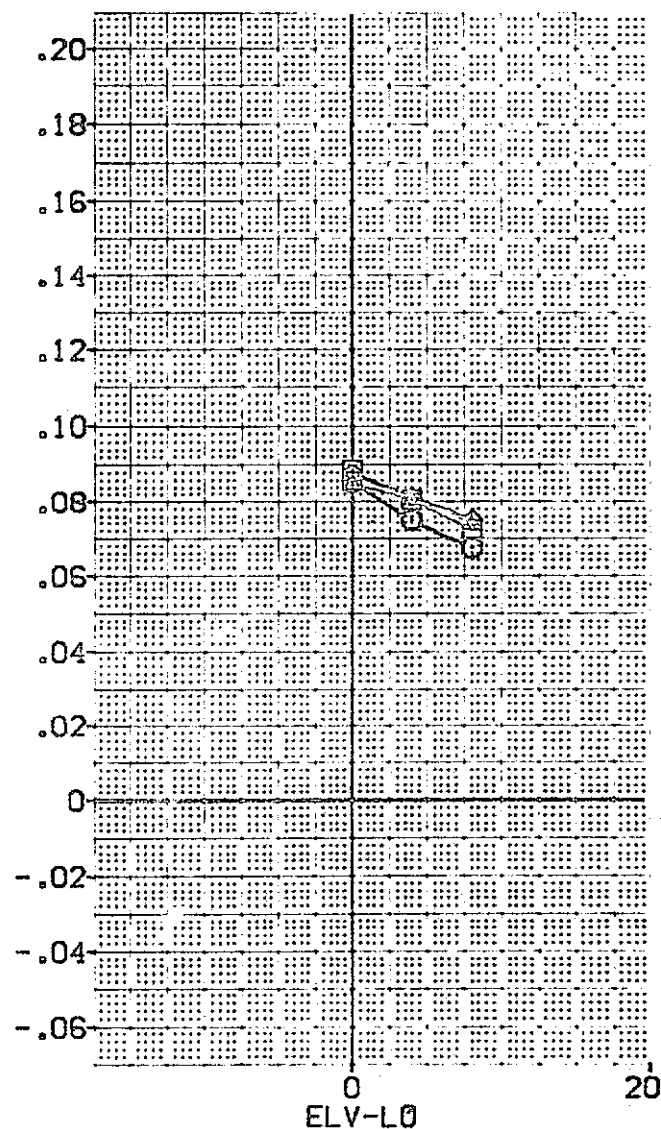
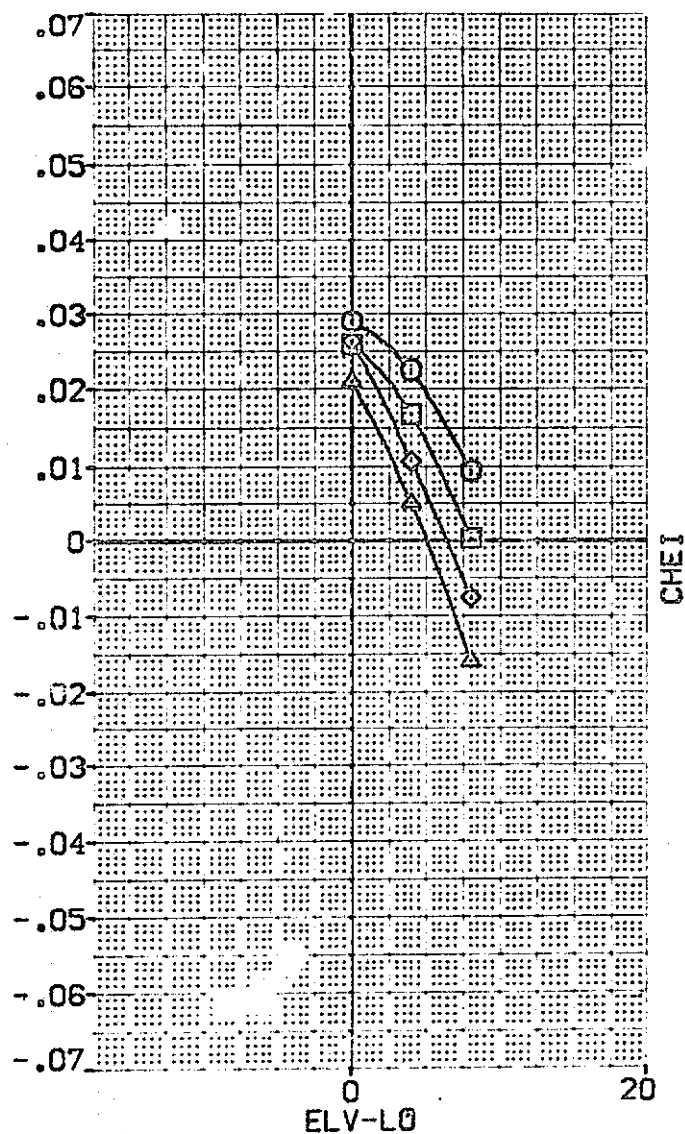


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

IA70 01T12S1P2P8

(AF7018)

SYMBOL
 ○
 □
 ◇
 ▲
 ▼

ALPHA
 -3.000
 -6.000
 -4.000
 -2.000
 .000

HACH
 ELV-LI
 ELV-RI

PARAMETRIC VALUES
 1.120 BETA
 .000 ELV-RI
 -4.000 EPLAP

.000 DATASET
 .000 AF7010
 .000 AF7010

DATA SOURCE
 ELV-LG
 -4.000
 4.000

DATASET
 AF7002
 AF7011

ELV-LG
 .000
 0.000

SREF
 LREF
 PREF
 XMRP
 YMRP
 ZMRP
 SCALE

REFERENCE INFORMATION
 2390.0000 SQ.FT.
 474.0000 IN.
 935.7000 IN.
 .0000 IN. XT
 .0000 IN. YT
 .0000 IN. ZT
 .0150

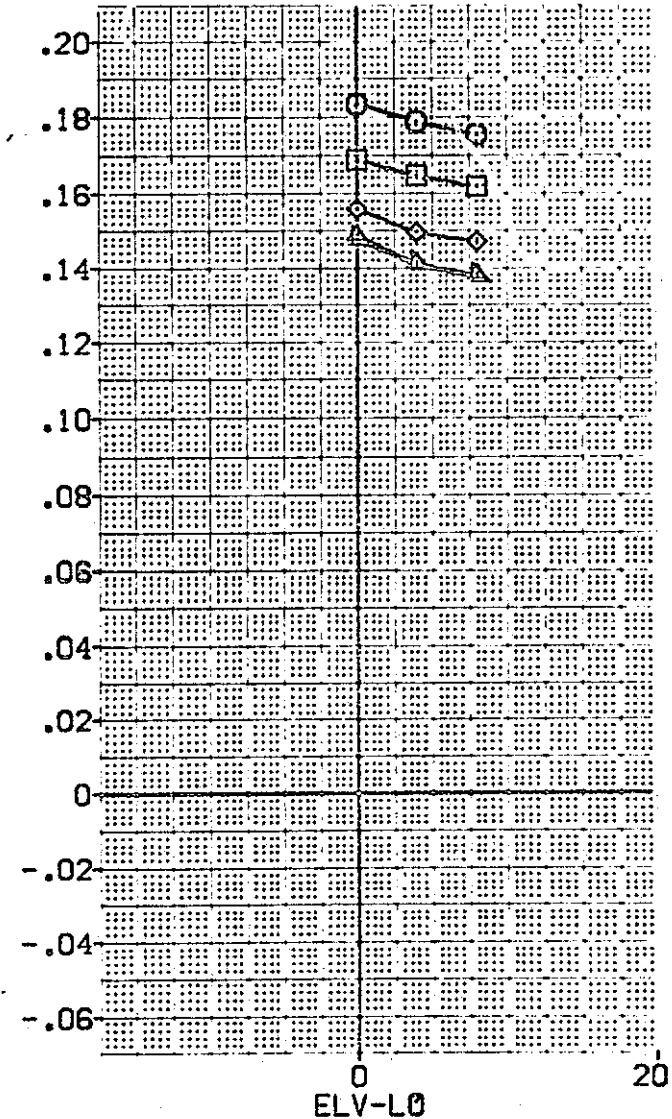
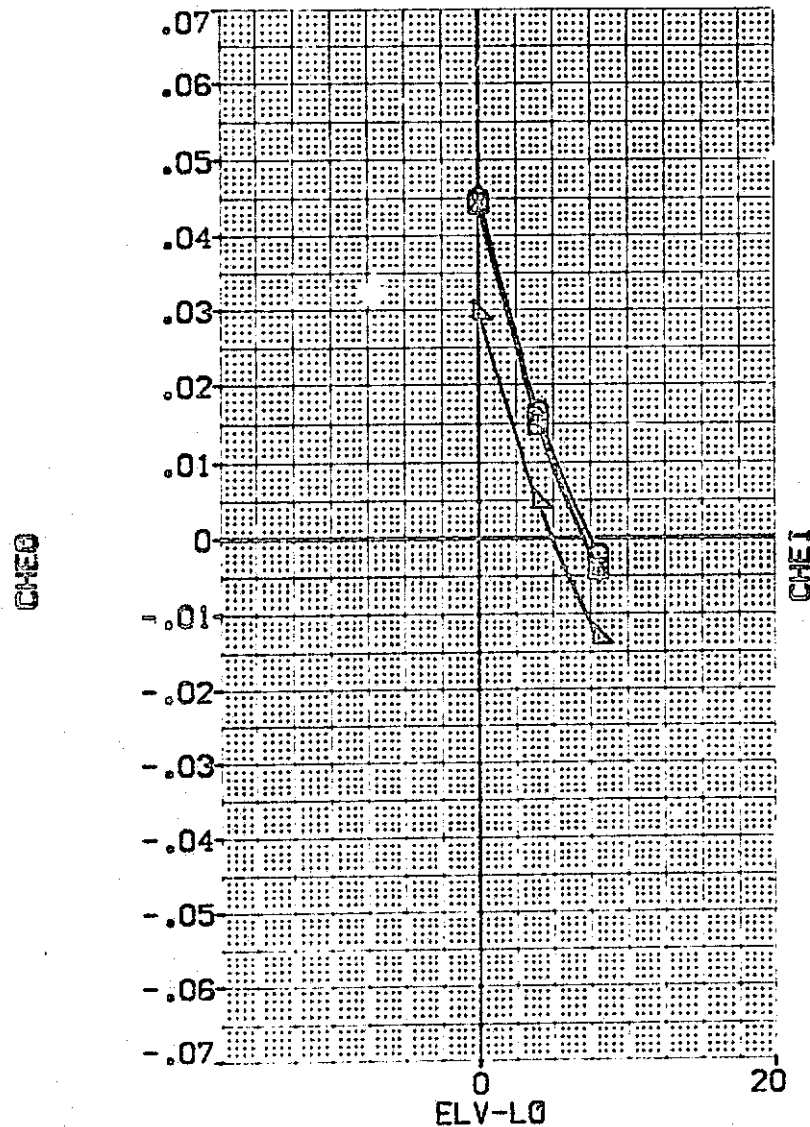


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

IA70 01T12S1P2P8

(AF7018)

SYMBOL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-LI
ELV-RO

PARAMETRIC VALUES

1.120 BETA
.000 ELV-RI
-4.000 EFLAP

.000 DATASET
.000 AF7010
.000 AF7010

DATA SOURCE

ELV-L0
-4.000
4.000

DATASET
AF7002
AF7011

ELV-L0
.000
0.000

REFERENCE INFORMATION

SREF 2650.0000 SQ. FT.
LREF 474.8000 IN.
BREF 925.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

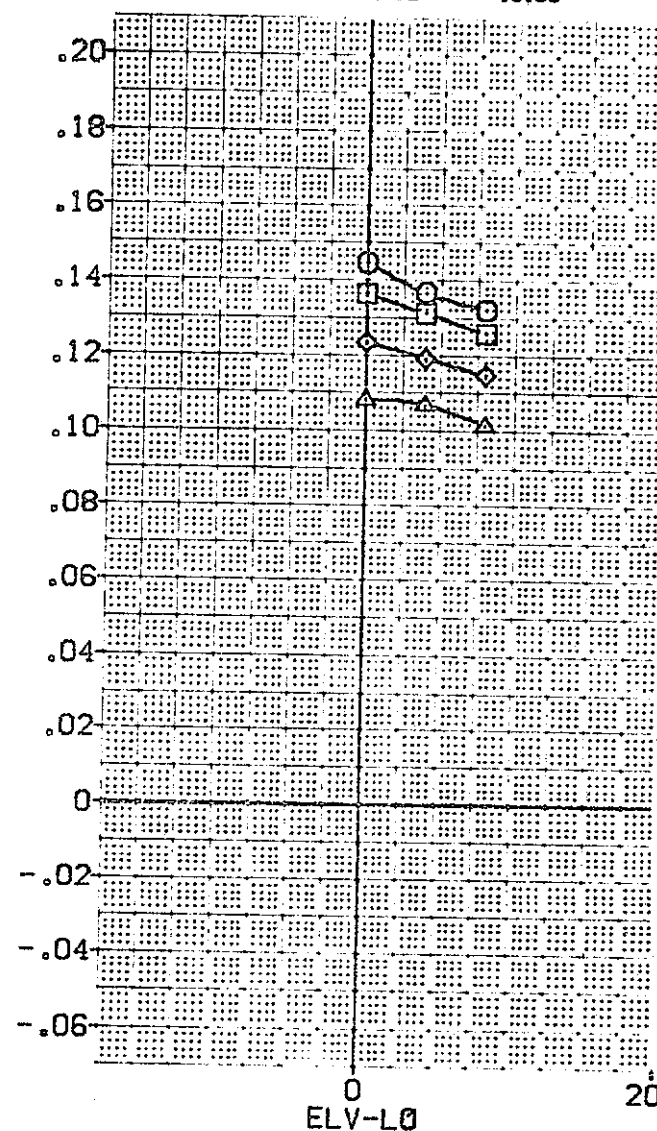
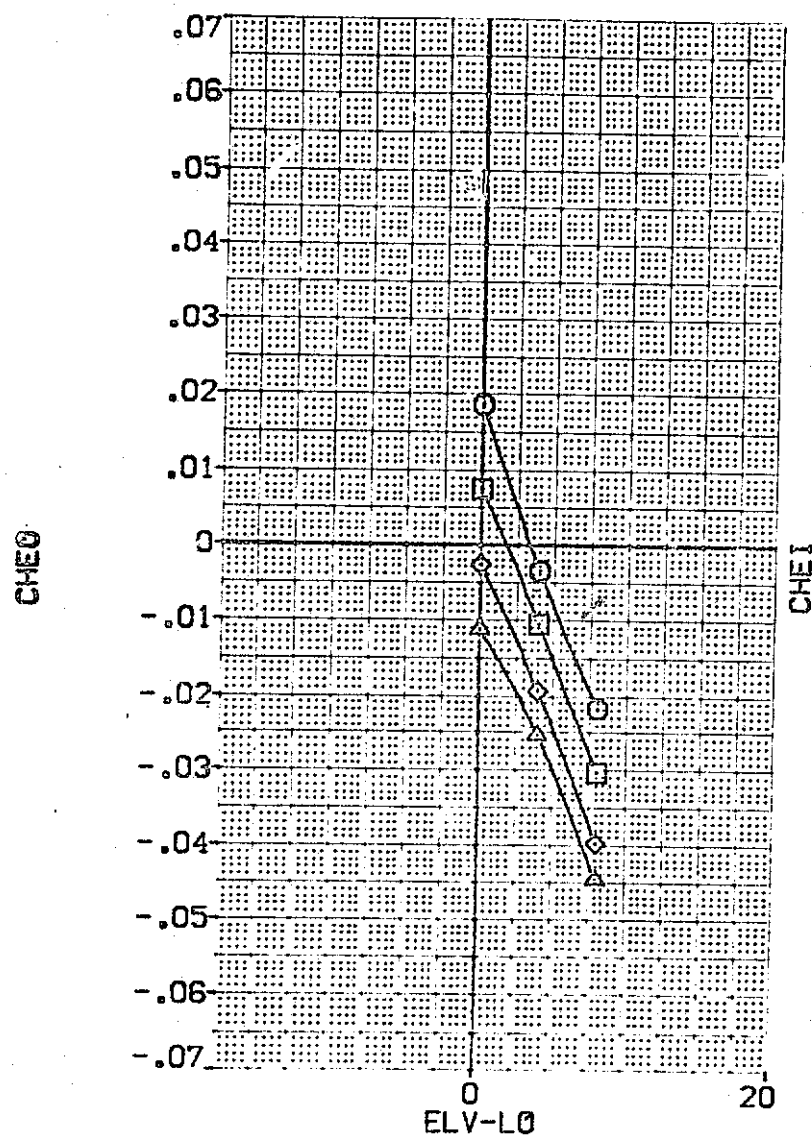


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

OVERL
○
□
◇
△
▽

ALPHA
-8.000
-6.000
-4.000
-2.000
.000

MACH
ELV-LI
ELV-R3

PARAMETRIC VALUES
1.240 BETA
.000 ELV-RI
-4.000 BFLAP

.000 DATASET
.000 AF7010
.000 AF7010

DATA SOURCE
ELV-L0
-4.000
4.000

DATASET
AF7002
AF7011

ELV-L0
.000
0.000

SREF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION
2850.0000 SQ.FT.
474.8000 IN.
936.7000 IN.
.0000 IN. XT
.0000 IN. YT
.0000 IN. ZT
.0150

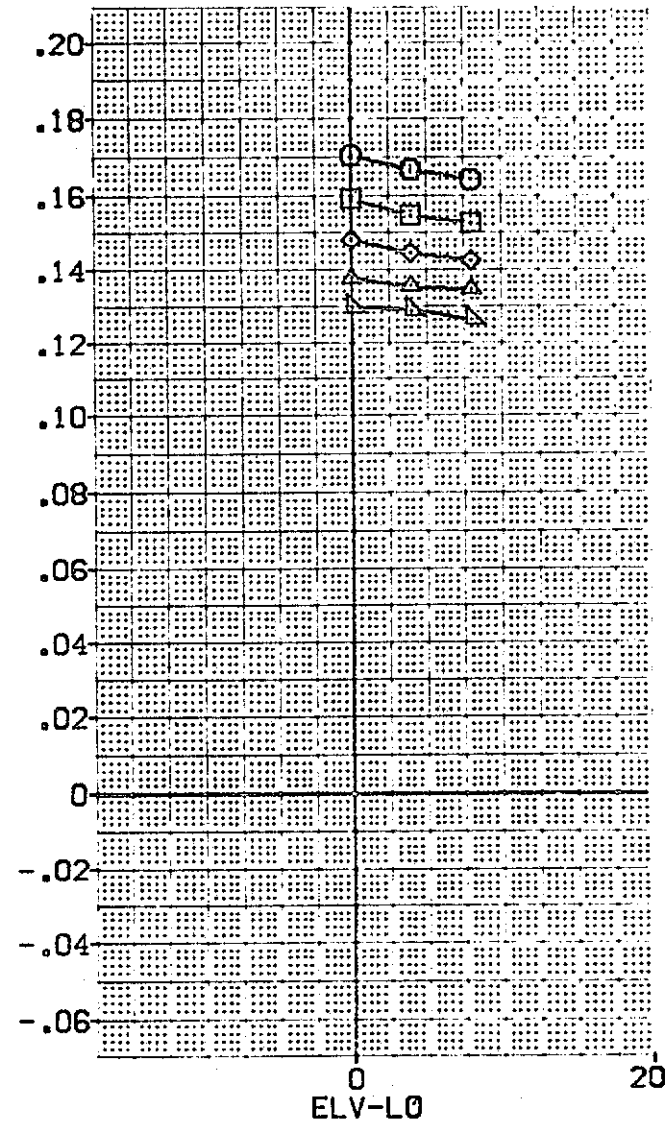
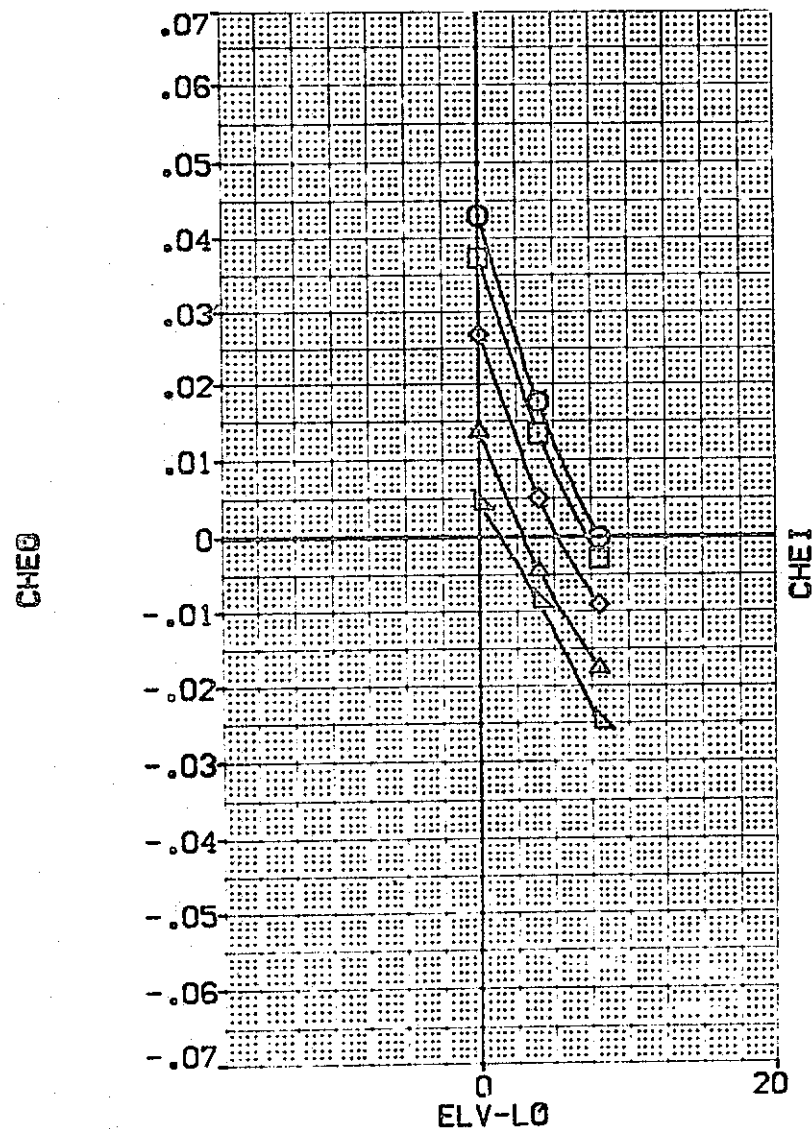


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

IA70 01T12S1P2P8

(AF7018)

SYMBOL



ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-LI
ELV-RG

PARAMETRIC VALUES

1.240 BETA
.000 ELV-RI
-4.000 BFLAP

.000 DATASET
.000 AF7018
.000 AF7010

DATA SOURCE

ELV-LG
-4.000
4.000

DATASET
AF7002
AF7011

ELV-LG
.000
8.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 IN.
BREF 935.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

CHEO

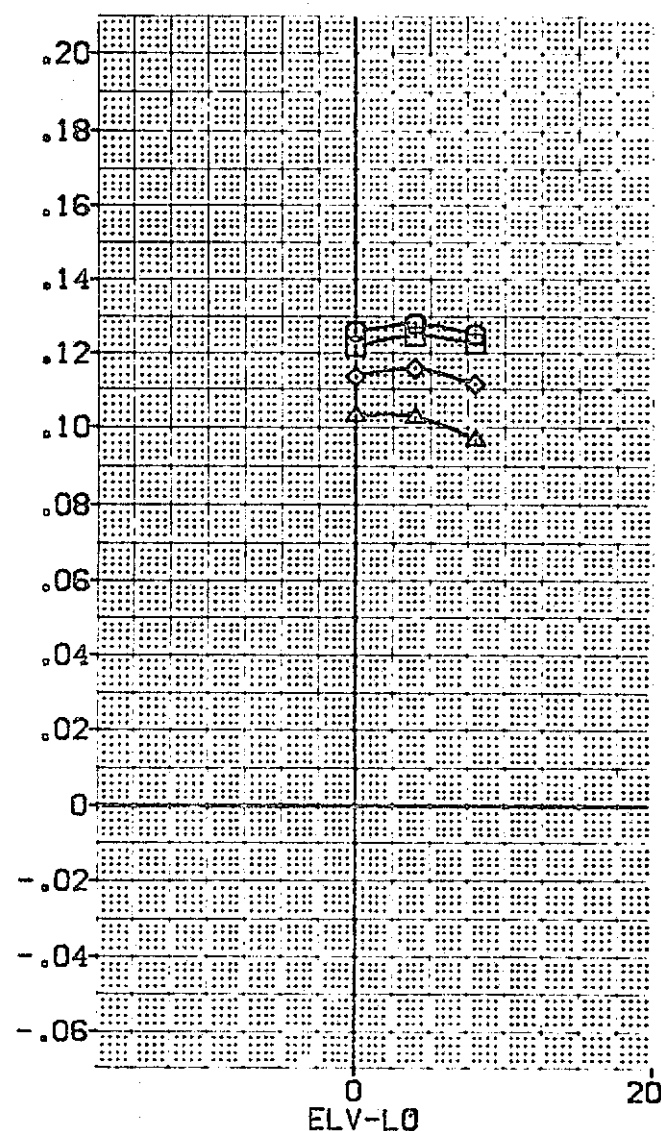
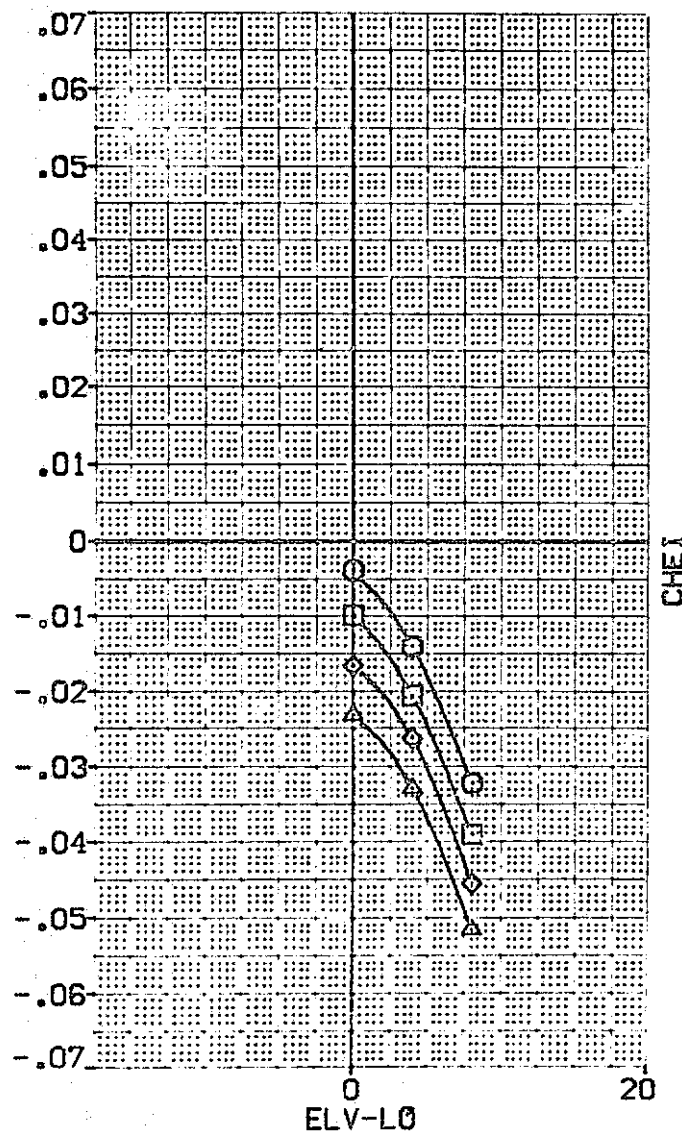


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

IA70 01T12S1P2P8

(AF7018)

CYCLES

○
□
◇
△
▽

ALPHA

-8.000
-6.000
-4.000
-2.000
.000

MACH

ELV-LI
ELV-RG

PARAMETRIC VALUES

1.500
.000
-4.000

BETA
ELV-RI
BFLAP

.000 DATASET
.000 AF7010
.000 AF7010

DATA SOURCE

ELV-L0
-4.000
4.000

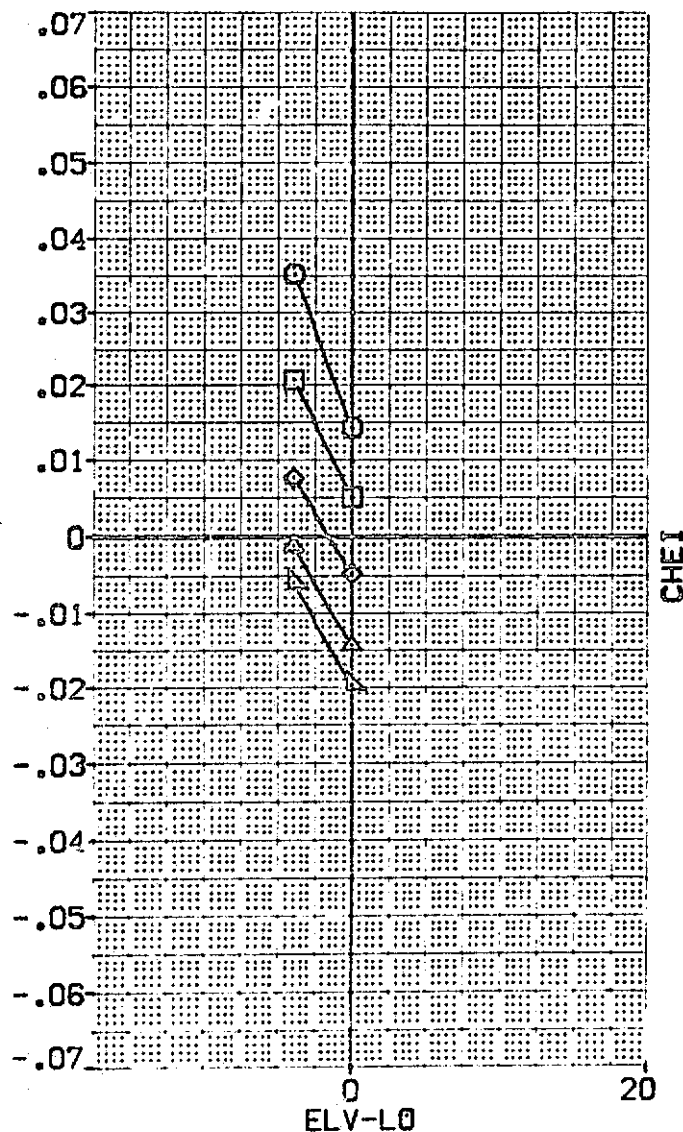
DATASET
AF7002
AF7011

ELV-L0
.000
0.000

REFERENCE INFORMATION

SREF 2650.0000 SQ.FT.
LREF 474.8000 IN.
BREF 935.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

CHE0



CHE1

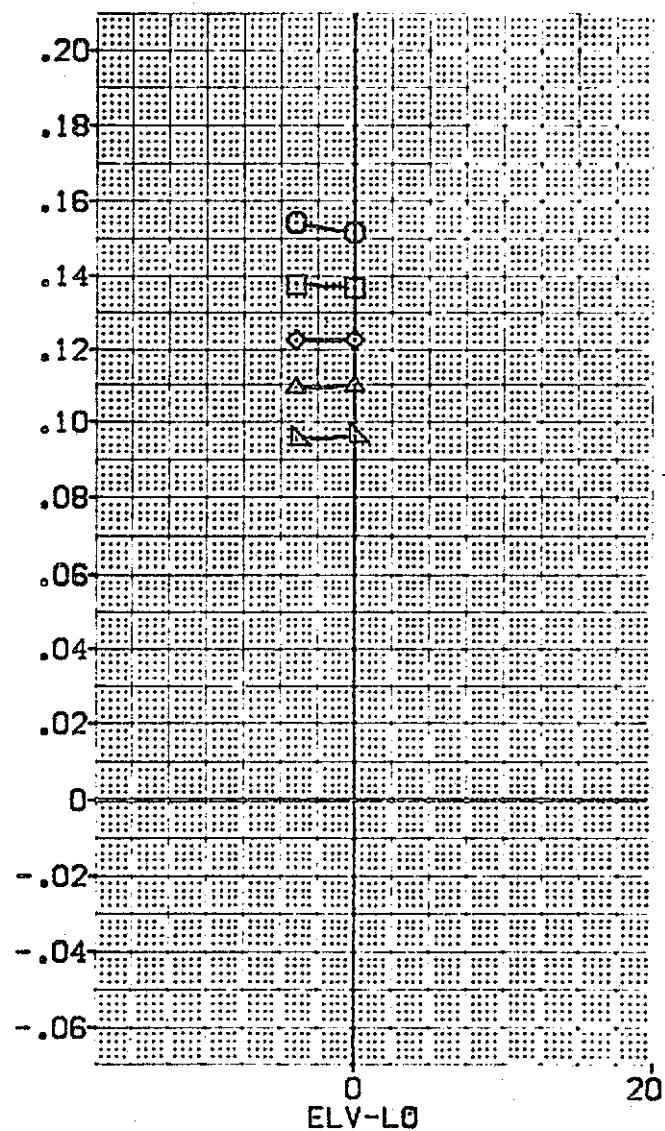


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

IA70 01T12S1P2P8

(AF7018)

SYMBOL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH

ELV-LI
ELV-RB

PARAMETRIC VALUES

BETA

1.500
-4.000

ELV-RI

ELV-RI
EFLAP

.000 DATASET

.000 AF7010
.000 AF7010

DATA SOURCE

ELV-LQ

-4.000
4.000

DATASET

AF7002
AF7011

ELV-LQ

.000
0.000

SREF

LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2350.0000

474.6000
936.7000

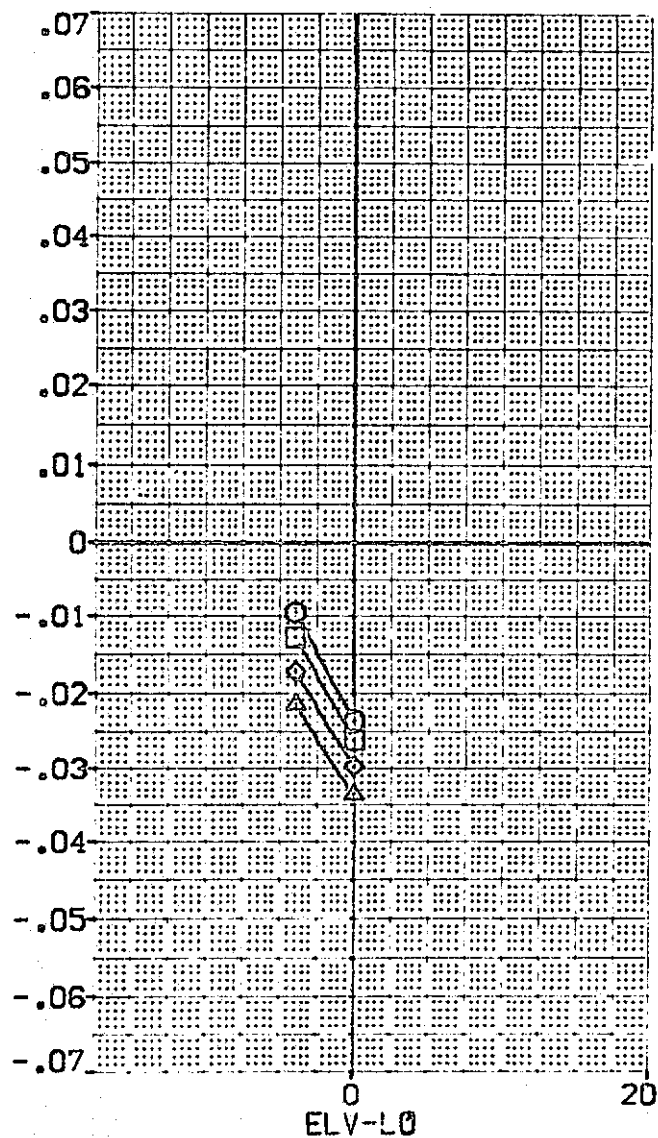
.0000
.0000
.0000
.0150

SQ.FT.

IN.
IN.
IN.
IN.
IN.

XT
YT
ZT

CHEQ



CHEI

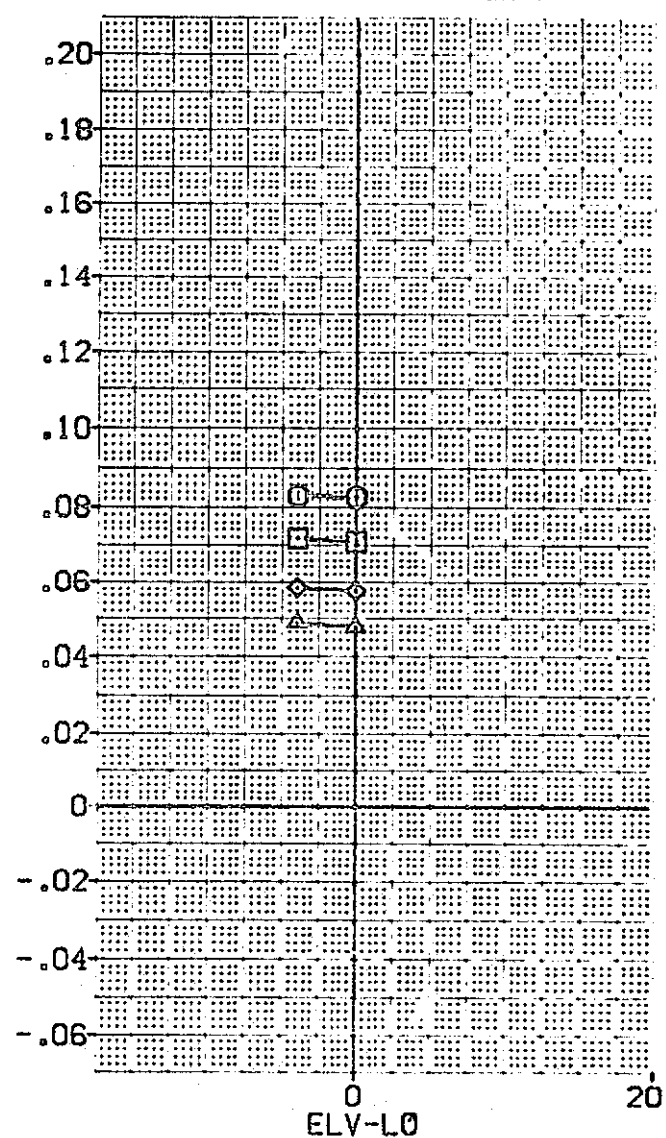


FIG 11 ELEVON EFFECTIVENESS, INBD ELEVON = 0

DATA SET SWGL CONFIGURATION DESCRIPTION

(AF7017)	□	DATA NOT AVAILABLE
(AF7003)	○	IA70 01T12S1P2F3
(AF7003)	◇	IA70 01T12S1P2F3
(AF7012)	△	IA70 01T12S1P2F3

ELV-L1	ELV-L0	GLAP	ETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2650.0000	50. FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	EREF	923.7000	IN.
4.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

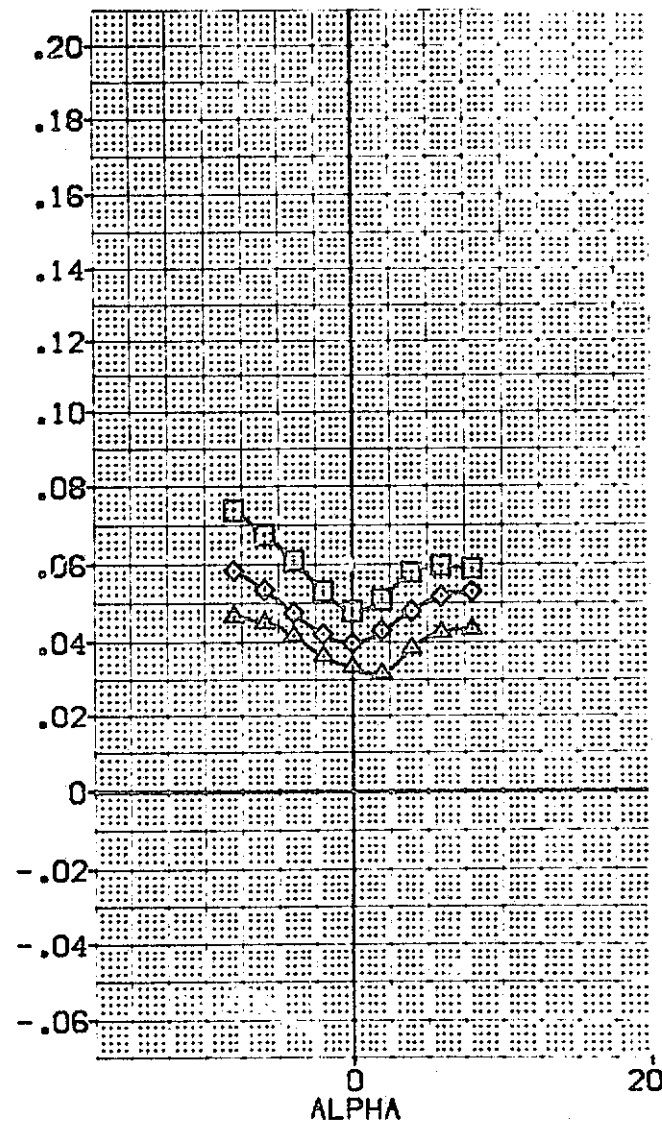
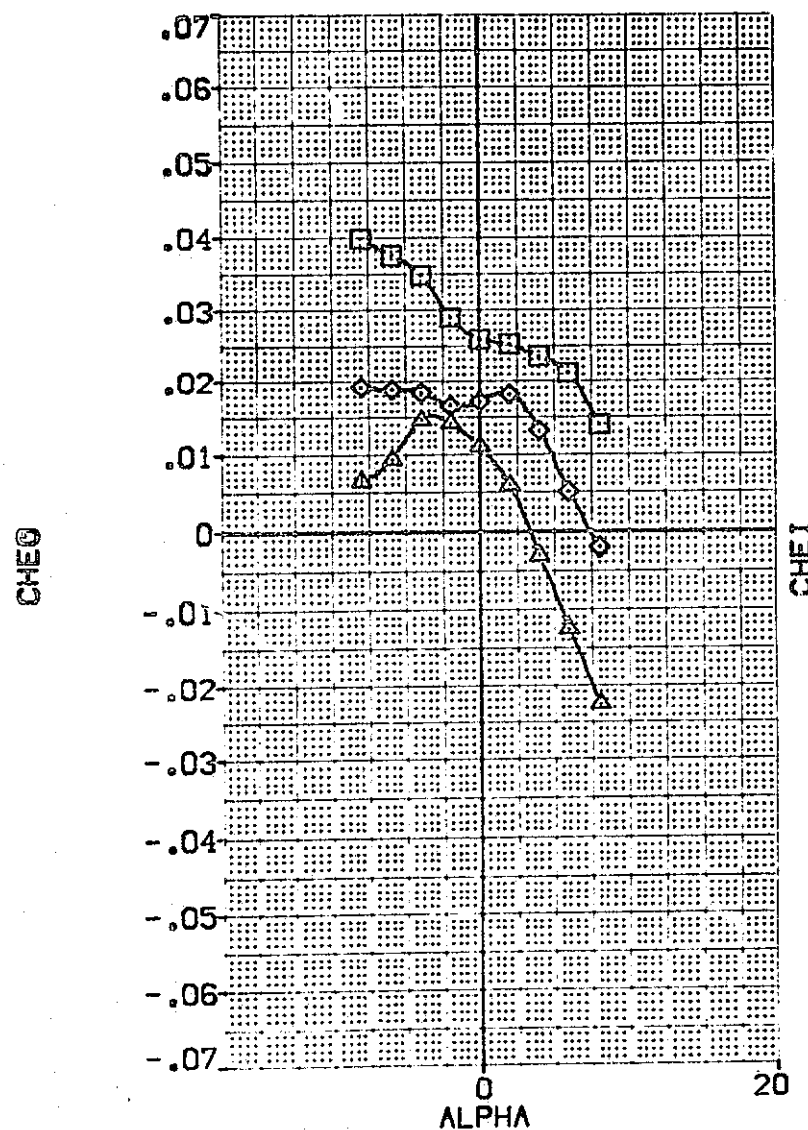


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(A)MACH = .90

DATA SET SYMBO Configuration DESCRIPTION
 [AF7017] □ DATA NOT AVAILABLE
 [AF7003] ○ 1A70 01T12S1P2P8
 [AF7009] ◇ 1A70 01T12S1P2P8
 [AF7012] △ 1A70 01T12S1P2P8

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2690.0000	SQ.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	EREF	935.7000	IN.
4.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

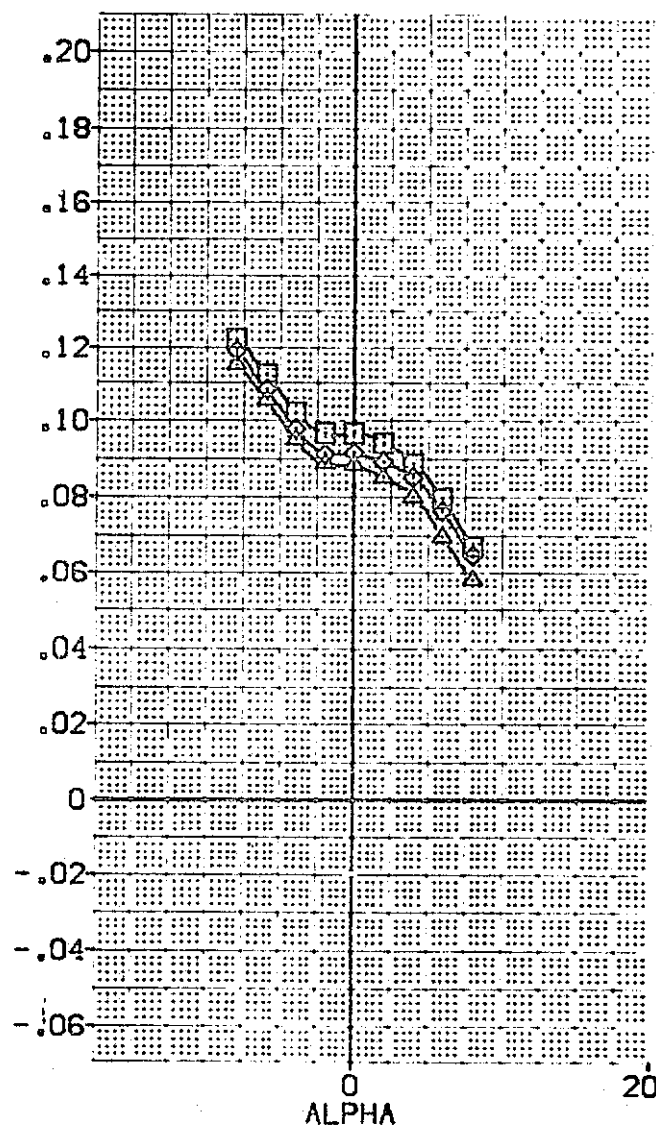
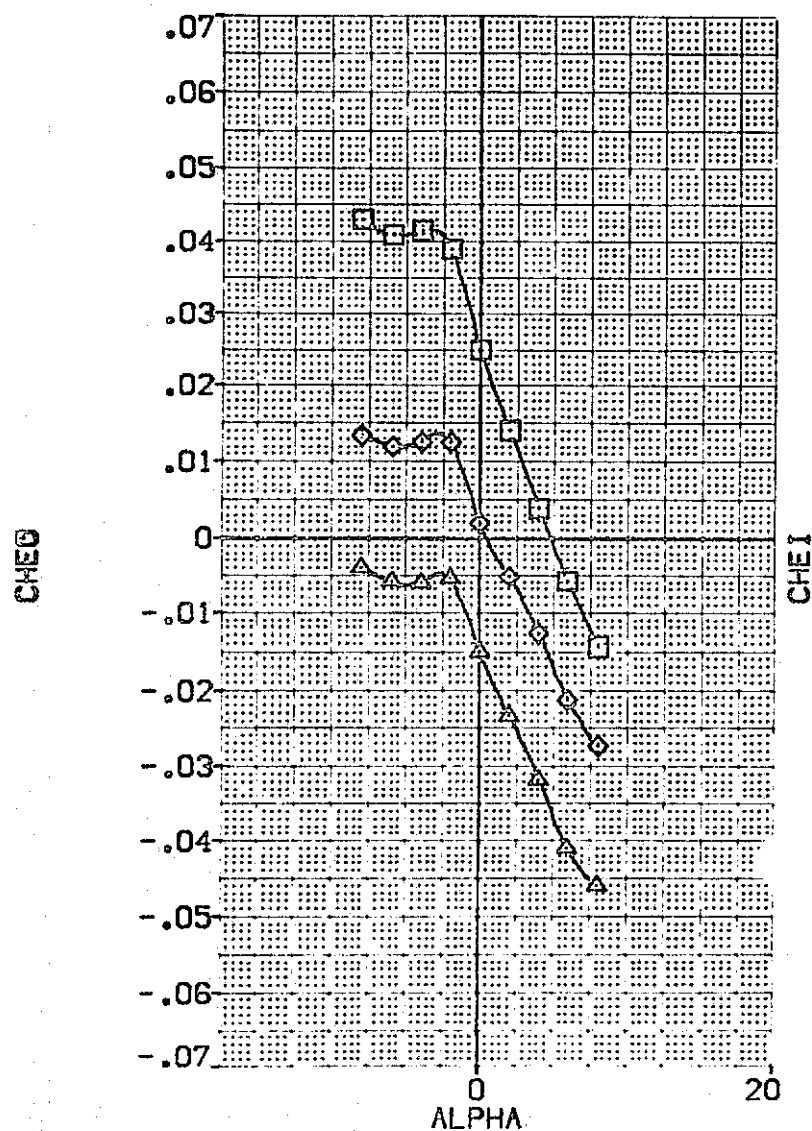


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7017]	□	DATA NOT AVAILABLE
[AF7003]	○	IA70 01T12S1P2F3
[AF7003]	×	IA70 01T12S1P2F3
[AF7012]	△	IA70 01T12S1P2F3

ELV-LI	ELV-LG	EPLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2550.0000	50.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	EREF	935.7000	IN.
4.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

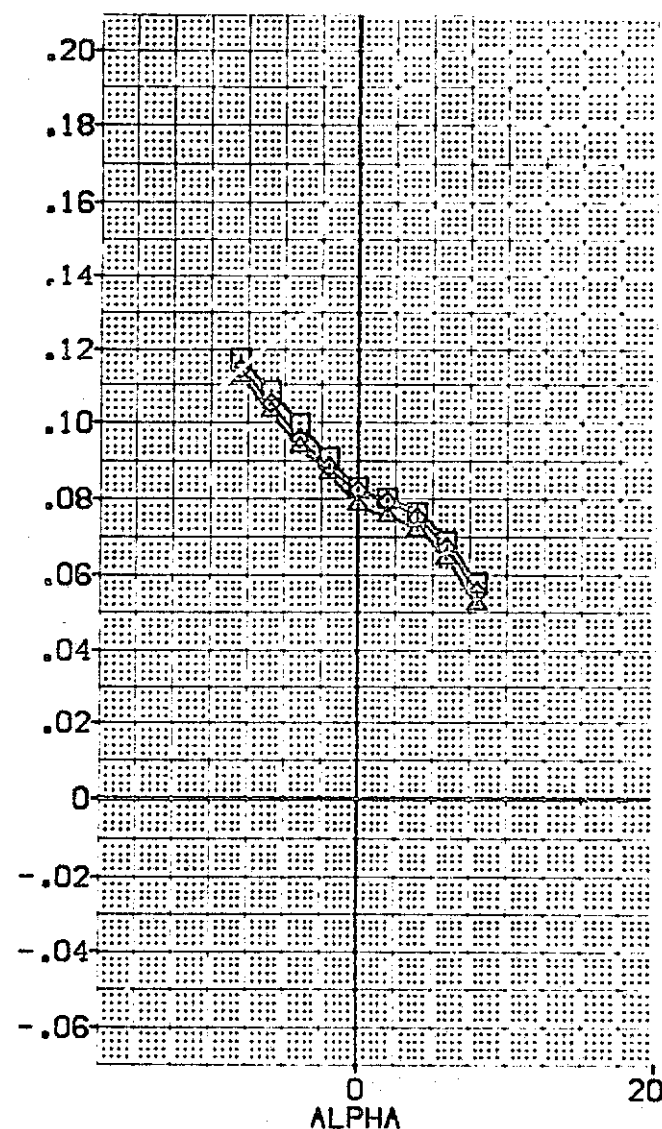
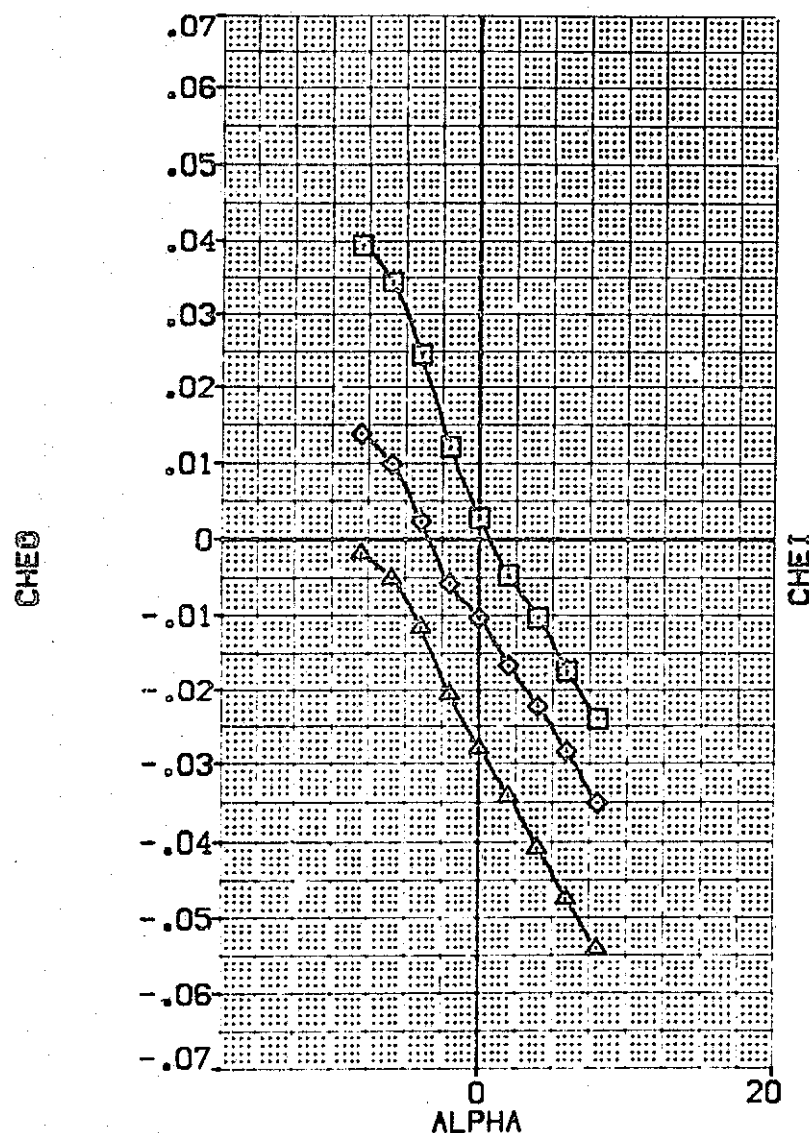


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(C)MACH = 1.24

DATA SET SYMBO. CONFIGURATION DESCRIPTION

(AF7017) □ 1A70 01T12SIP2F3
 (AF7003) □ 1A70 01T12SIP2P9
 (AF7009) ◇ 1A70 01T12SIP2F8
 (AF7012) △ DATA NOT AVAILABLE

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION	
4.000	-4.000	.000	.000	SREF	2690.0000 SQ.FT.
4.000	.000	.000	.000	LREF	474.8000 IN.
4.000	4.000	.000	.000	BREF	936.7000 IN.
4.000	8.000	.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

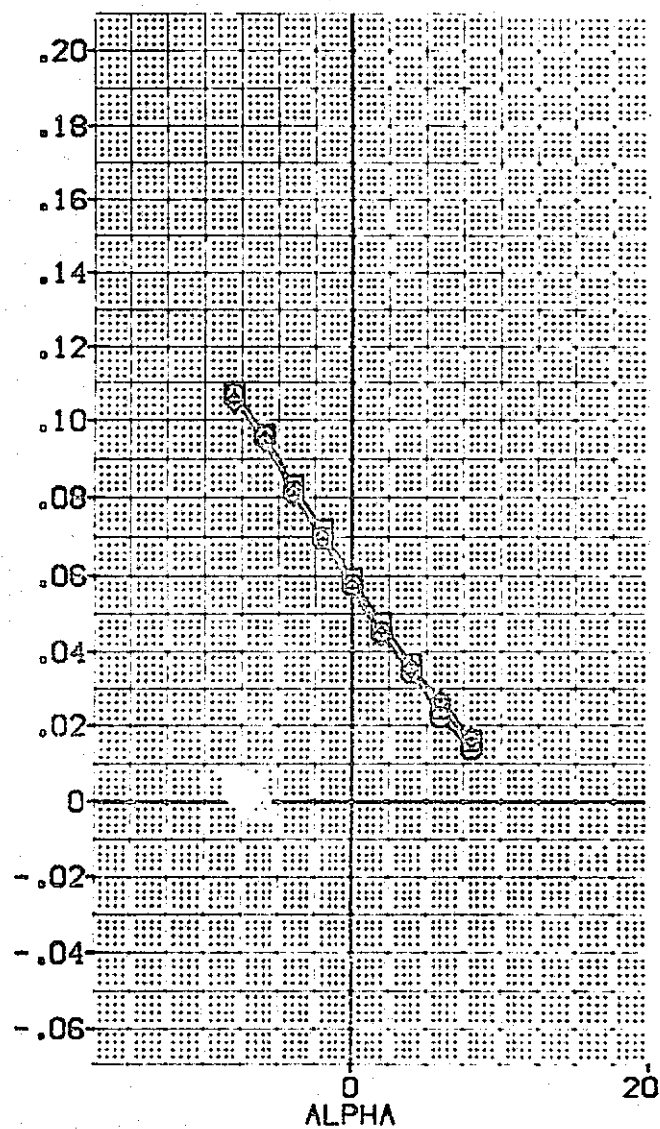
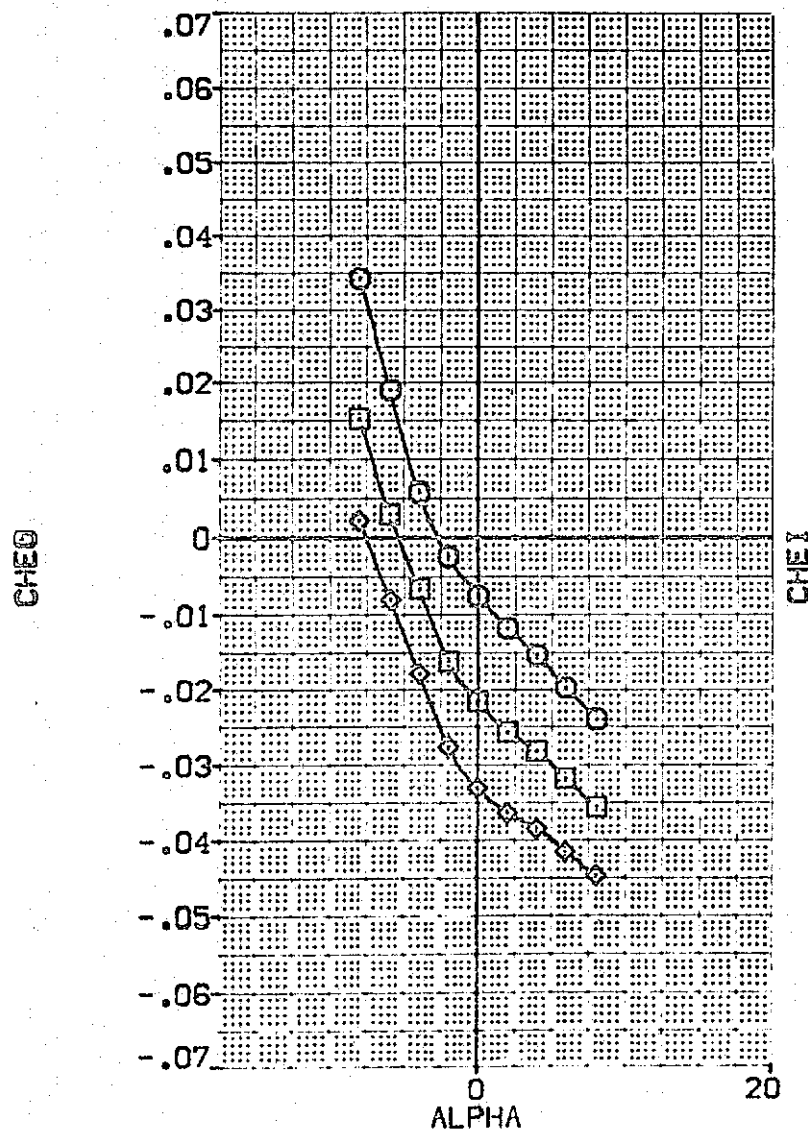


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7017}	DATA NOT AVAILABLE
{AF7003}	1A70 01T12SIP2F3
{AF7009}	1A70 01T12SIP2F3
{AF7012}	1A70 01T12SIP2F3

ELV-L1	ELV-L8	CLAP	ETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2650.0000	50.FT.
4.000	.000	.000	.000	LREF	474.0000	IN.
4.000	4.000	.000	.000	EREF	936.7000	IN.
4.000	3.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

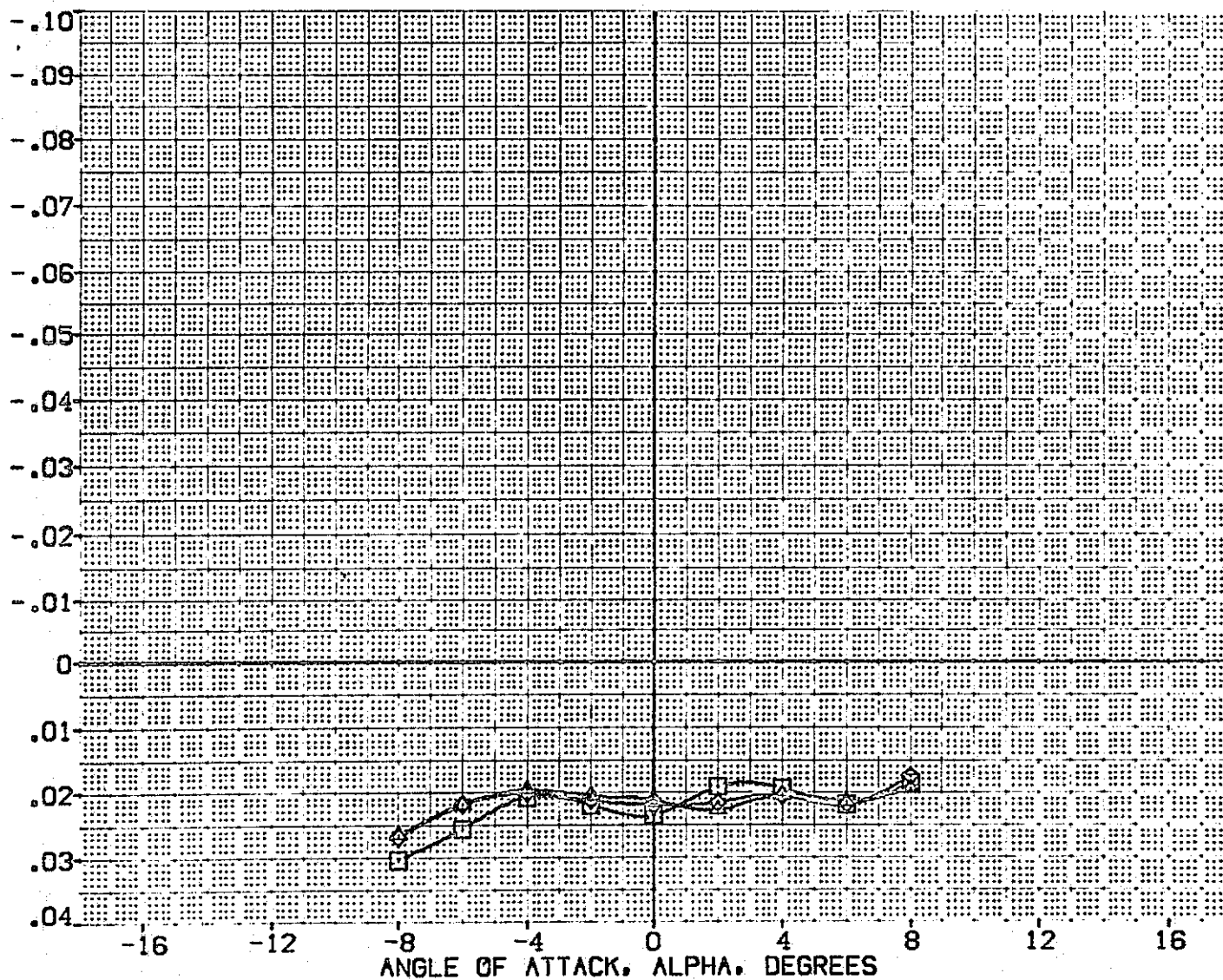


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7017]	DATA NOT AVAILABLE
[AF7003]	IA70 01T12SIP2F3
[AF7009]	IA70 01T12SIP2F3
[AF7012]	IA70 01T12SIP2F3

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION	
4.000	-4.000	.000	.000	SREF	2690.0000 SQ.FT.
4.000	.000	.000	.000	LREF	474.8000 IN.
4.000	4.000	.000	.000	BREF	935.7000 IN.
4.000	8.000	.000	.000	XMRF	.0000 IN. XT
				YMRF	.0000 IN. YT
				ZMRF	.0000 IN. ZT
				SCALE	.0150

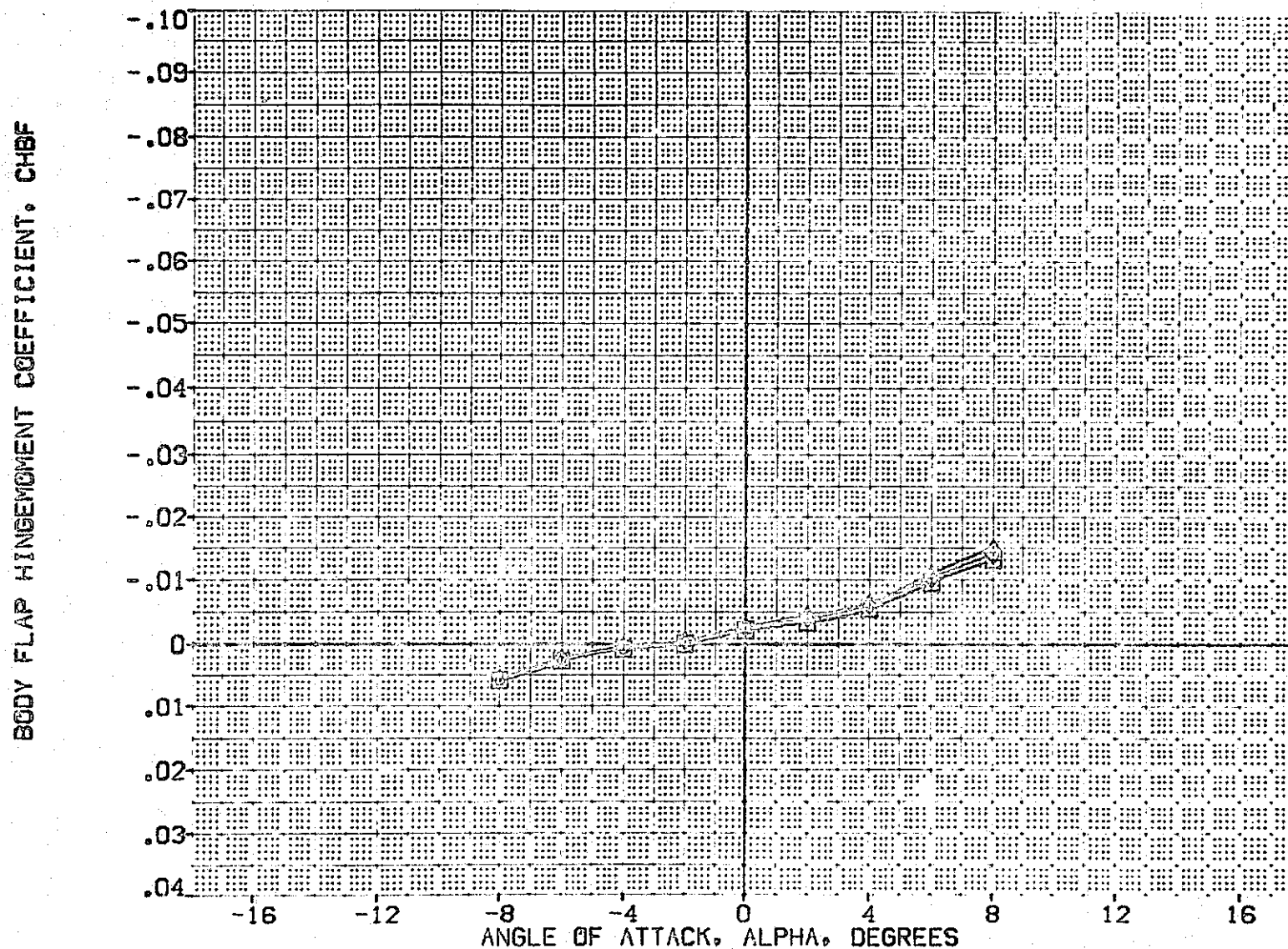


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7017]	DATA NOT AVAILABLE
[AF7003]	IA70 01T125IP2F3
[AF7009]	IA70 01T125IP2F3
[AF7012]	IA70 01T125IP2F3

ELV-L1	ELV-L0	ELAP	ETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	STEP	2500.0000	50.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	EREF	935.7000	IN.
4.000	0.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

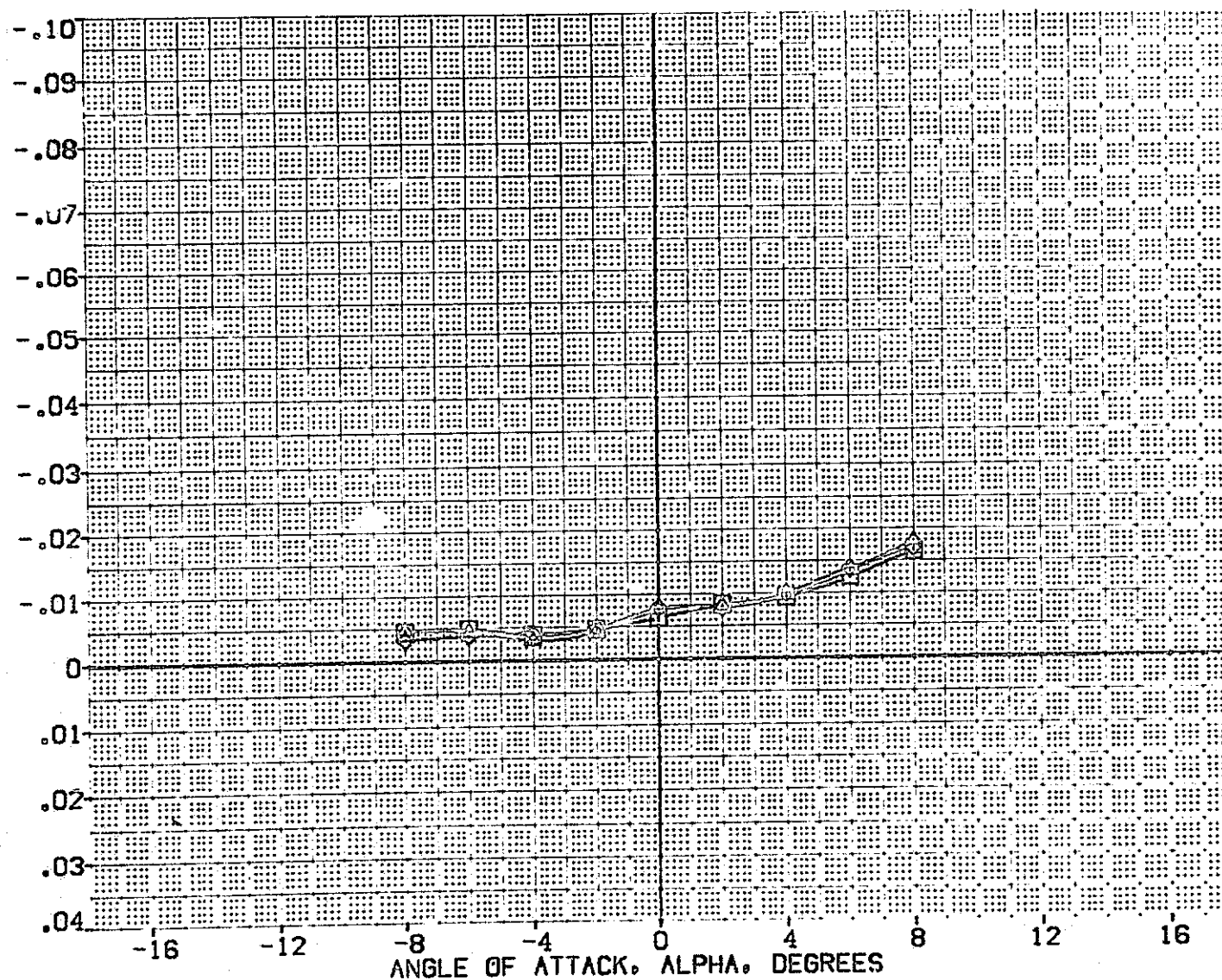


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7017]	1A70 011125IP2P8
[AF7003]	1A70 011125IP2P8
[AF7003]	1A70 011125IP2P8
[AF7012]	DATA NOT AVAILABLE

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2690.0000	SQ.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	BREF	936.7000	IN.
4.000	6.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

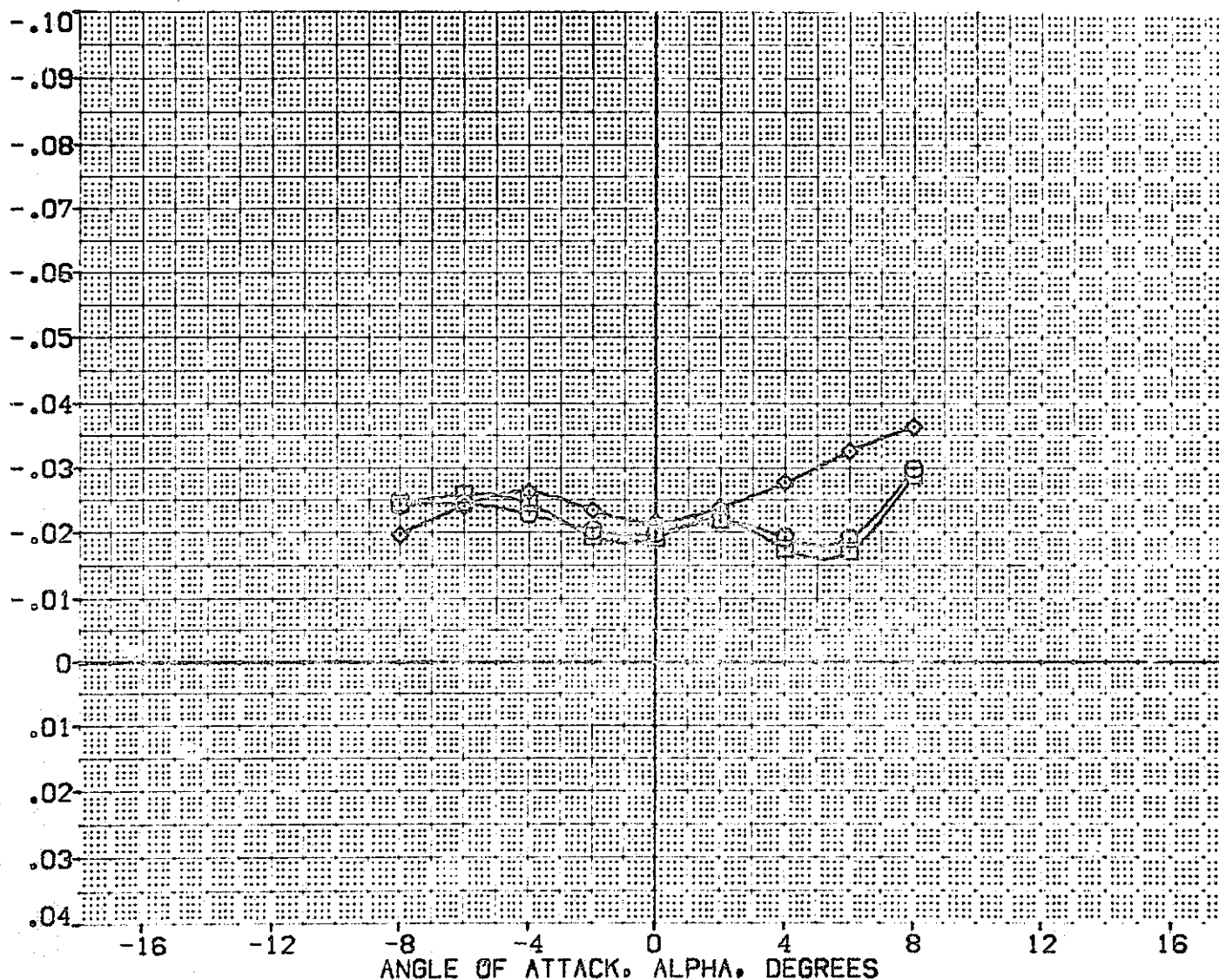


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7017]	DATA NOT AVAILABLE
[AF7009]	IA70 01T12SIP2P3
[AF7009]	IA70 01T12SIP2P3
[AF7012]	IA70 01T12SIP2P3

ELV-L1	ELV-L8	EFLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2690.0000	99.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	BREF	935.7000	IN.
4.000	9.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

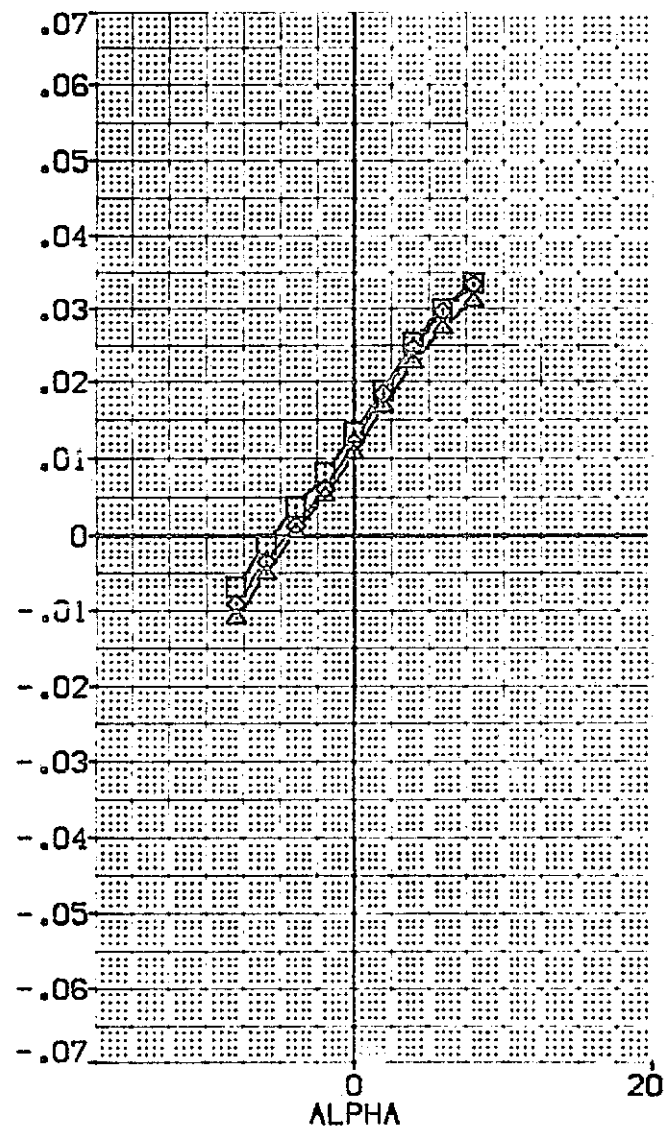
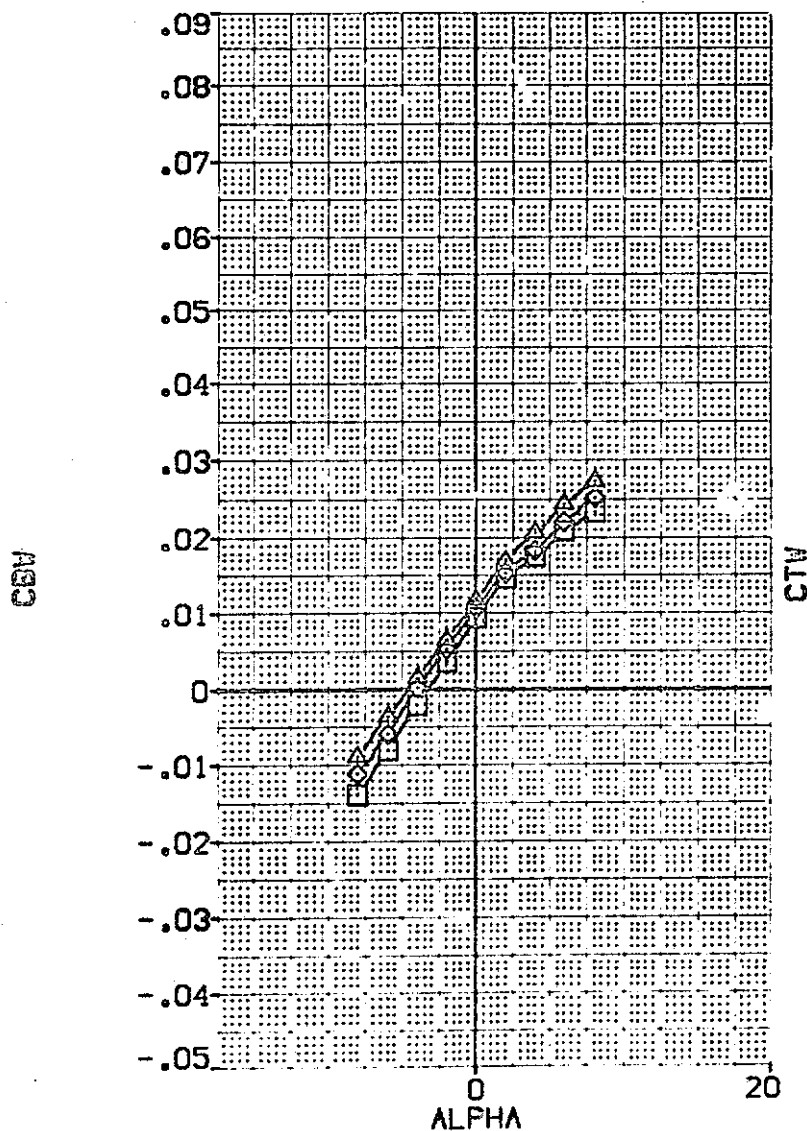


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7017] DATA NOT AVAILABLE
 [AF7003] 1A70 01T12S1P2P8
 [AF7003] 1A70 01T12S1P2P8
 [AF7012] 1A70 01T12S1P2P8

ELV-L1	ELV-L0	EFLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2690.0000	50.FT.
4.000	.000	.000	.000	LREF	474.6000	IN.
4.000	4.000	.000	.000	BREF	936.7000	IN.
4.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

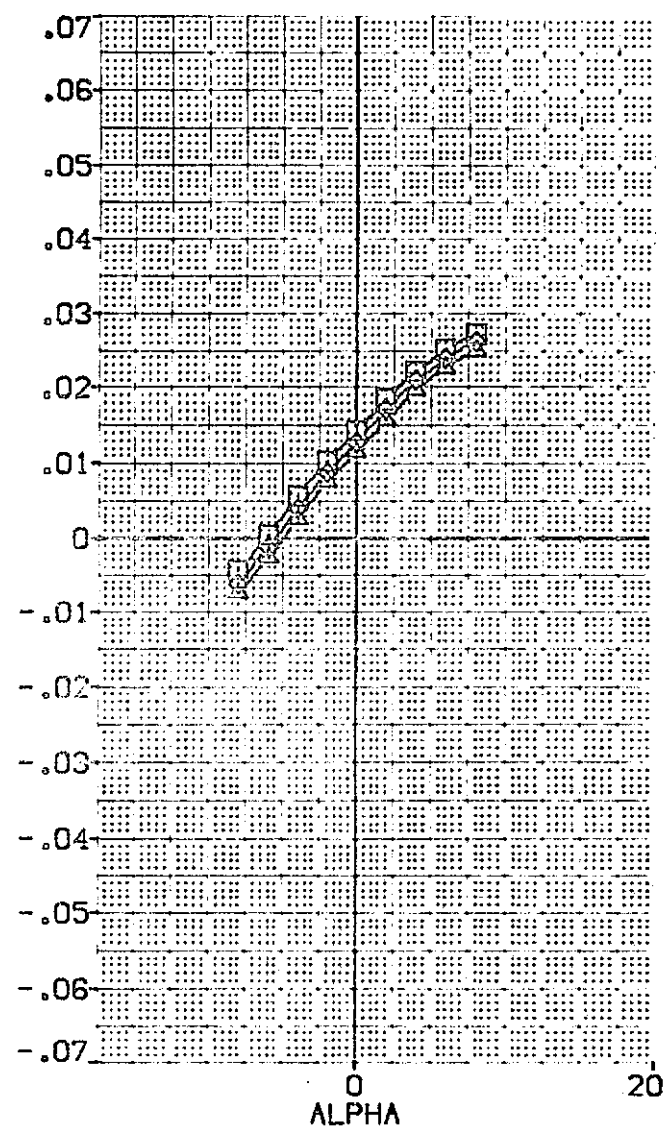
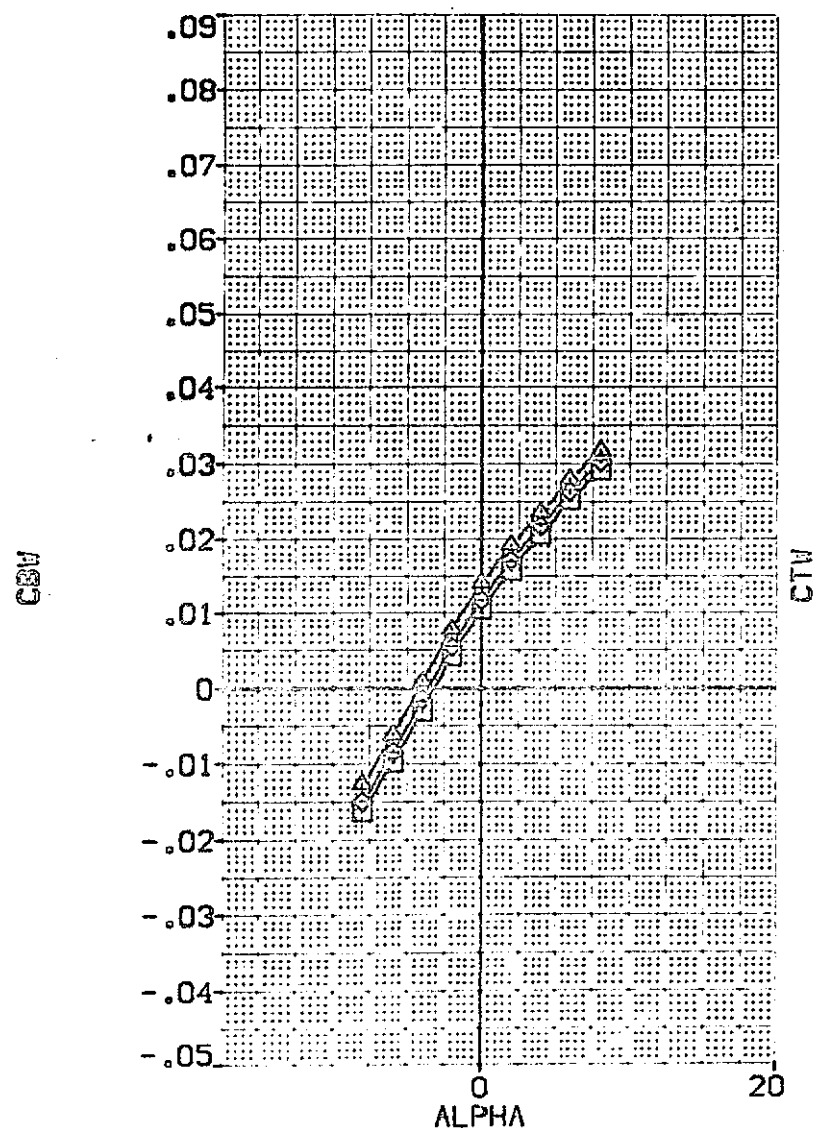


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7017}	○	DATA NOT AVAILABLE
{AF7003}	□	IA70 01T12SIP2F3
{AF7009}	△	IA70 01T12SIP2F3
{AF7012}	△	IA70 01T12SIP2F3

ELV-L1	ELV-L2	SLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2890.0000	80.FT.
4.000	.000	.000	.000	LREF	474.8000	IN.
4.000	4.000	.000	.000	BREF	936.7000	IN.
4.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

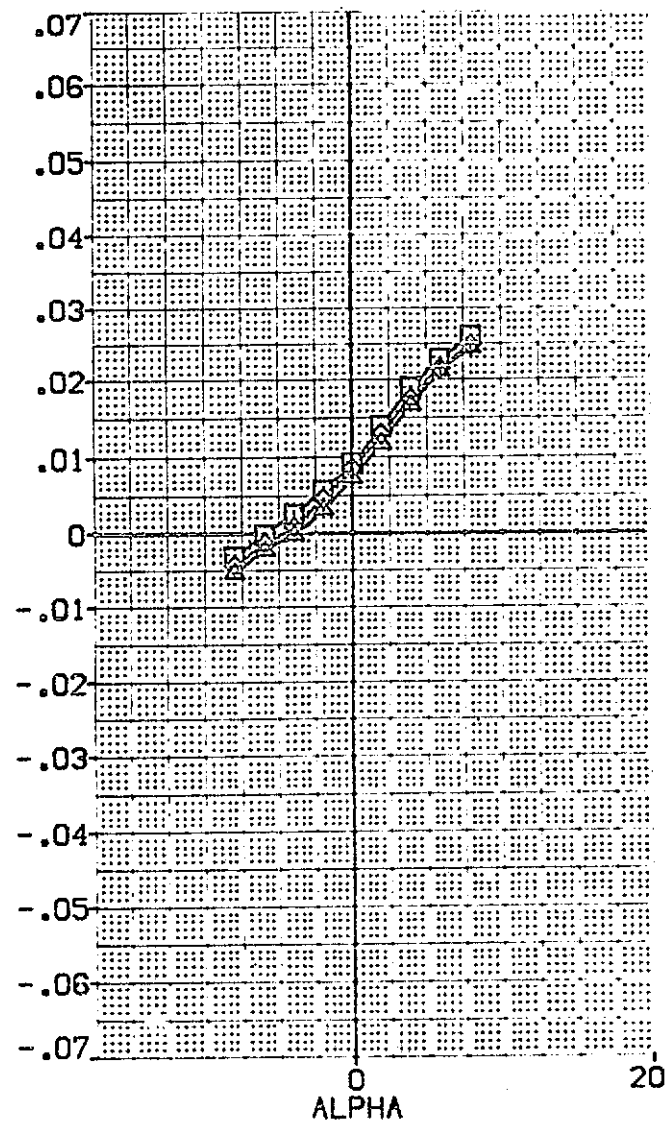
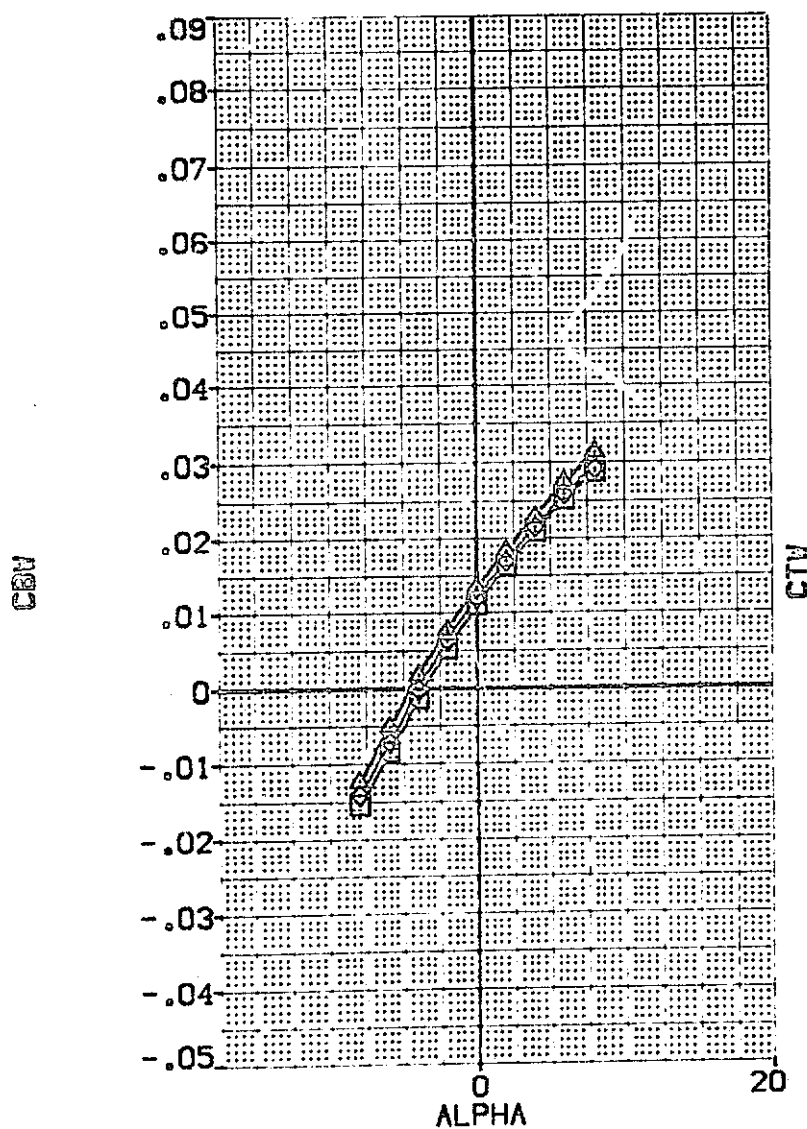


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7017]	1A70 01T12S1P2P0
[AF7003]	1A70 01T12S1P2P8
[AF7009]	1A70 01T12S1P2P8
[AF7012]	DATA NOT AVAILABLE

ELV-L1	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION		
4.000	-4.000	.000	.000	SREF	2690.0000	SQ.FT.
4.000	.000	.000	.000	LREF	474.6000	IN.
4.000	4.000	.000	.000	BREF	935.7000	IN.
4.000	8.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

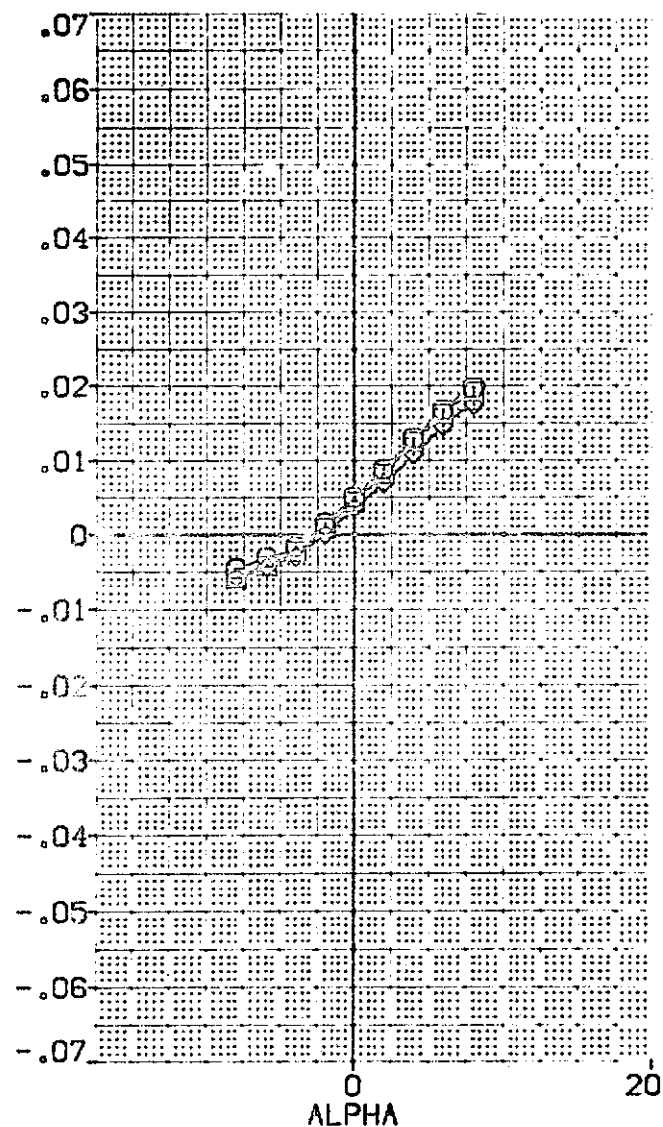
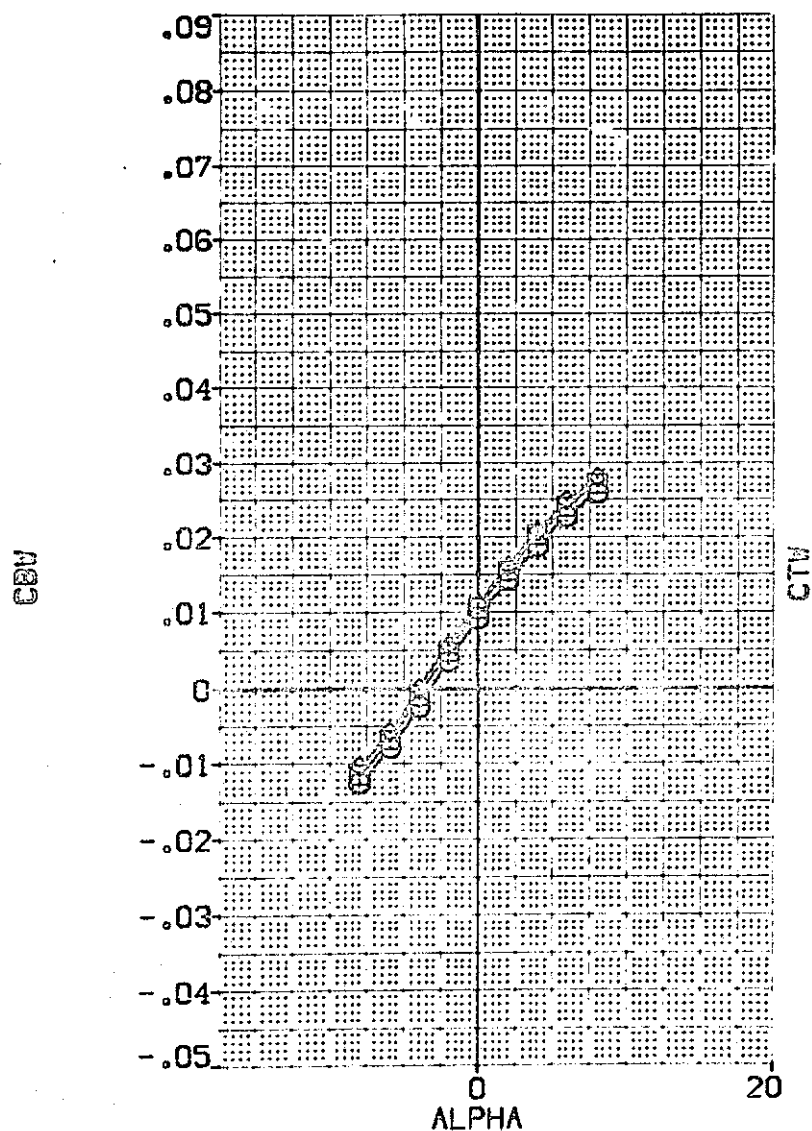


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4
(D)MACH = 1.50

SYMBOL

○
□
◇
△
▽

ALPHA
-0.000
-6.000
-4.000
-2.000
.000

MACH
ELV-LI
ELV-RG

PARAMETRIC VALUES

.000 BETA
4.000 ELV-RI
-4.000 BFLAP

.000 DATASET
4.000 AF7017
.000 AF7009

DATA SOURCE

ELV-LG
-4.000
4.000

DATASET
AF7003
AF7012

ELV-LG
.000
9.000

SREF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2850.0000 SQ.FT.
474.8000 IN.
936.7000 IN.
.0000 IN. XT
.0000 IN. YT
.0000 IN. ZT
.0150

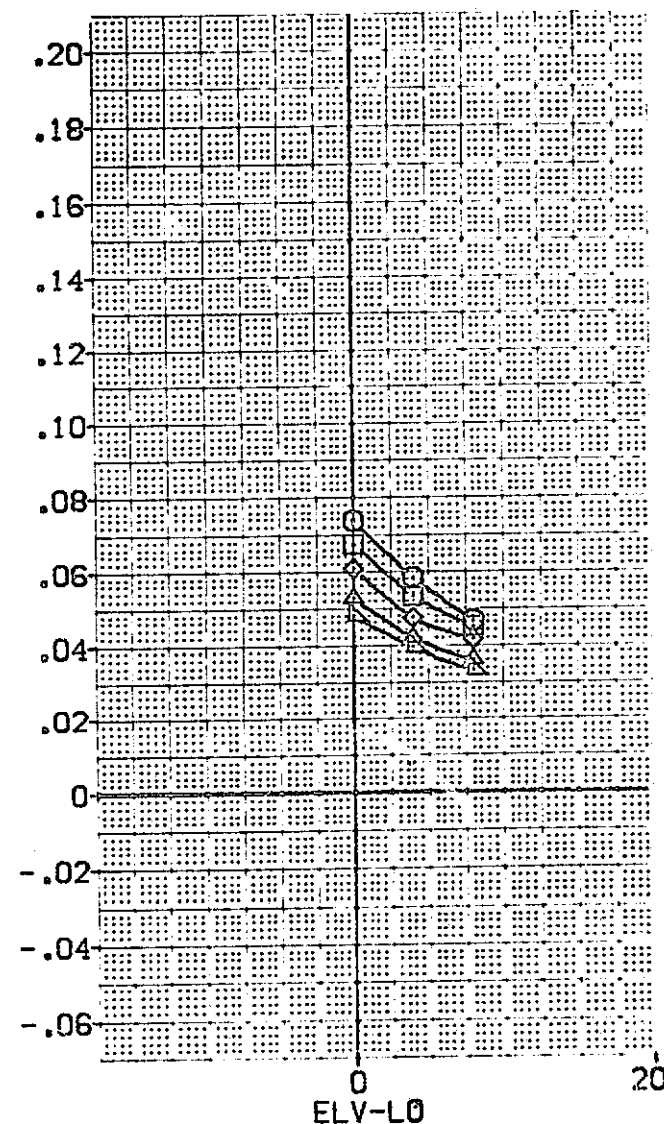
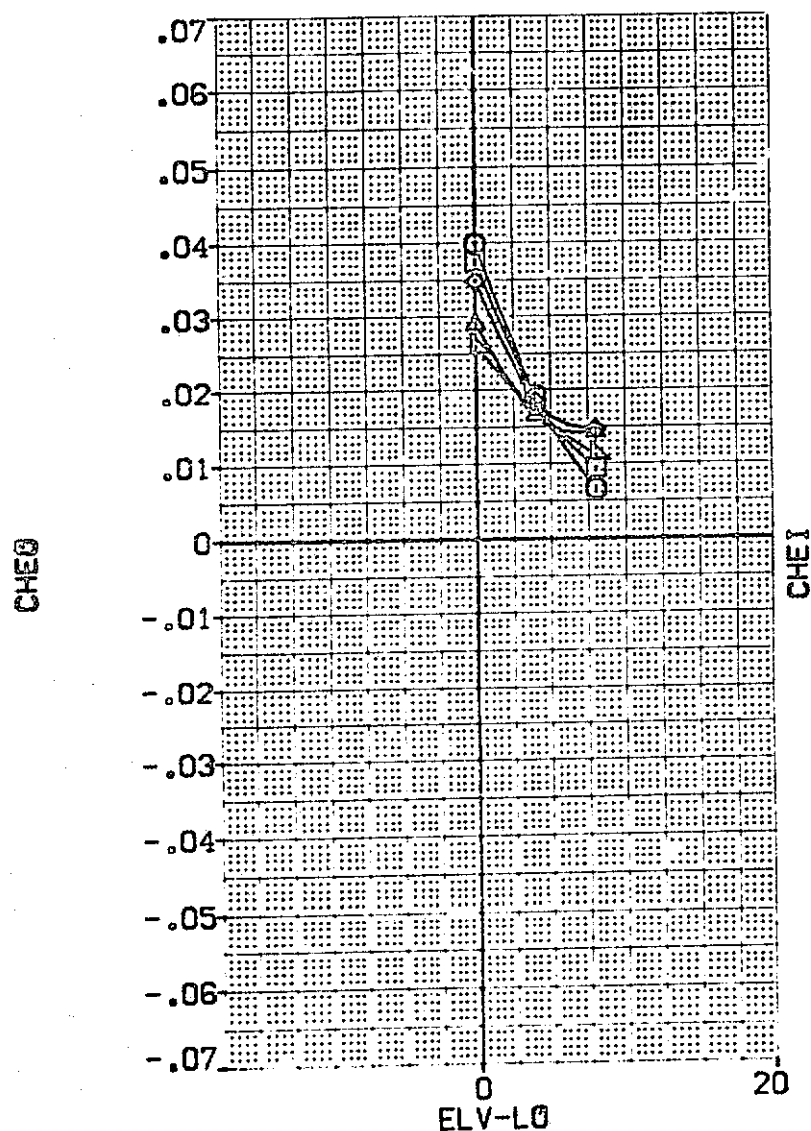


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

IA70 01T12S1P2P8

(AF7017)

SYMBOL	ALPHA	HACH	PARAMETRIC VALUES	BETA	DATA SET	DATA SOURCE	ELV-L0	ELV-L0	ELV-L0	SREF	2690.0000	SQ.FT.
○	2.000	ELV-LI	4.000	ELV-RI	4.000	AF7017	-4.000	AF7003	.000	LREF	474.8000	IN.
□	4.000	ELV-R0	-4.000	BFLAP	.000	AF7009	4.000	AF7012	0.000	BREF	935.7000	IN.
◇	6.000									XMRP	.0000	IN. XT
△	8.000									YMRP	.0000	IN. YT
										ZMRP	.0000	IN. ZT
										SCALE	.0150	

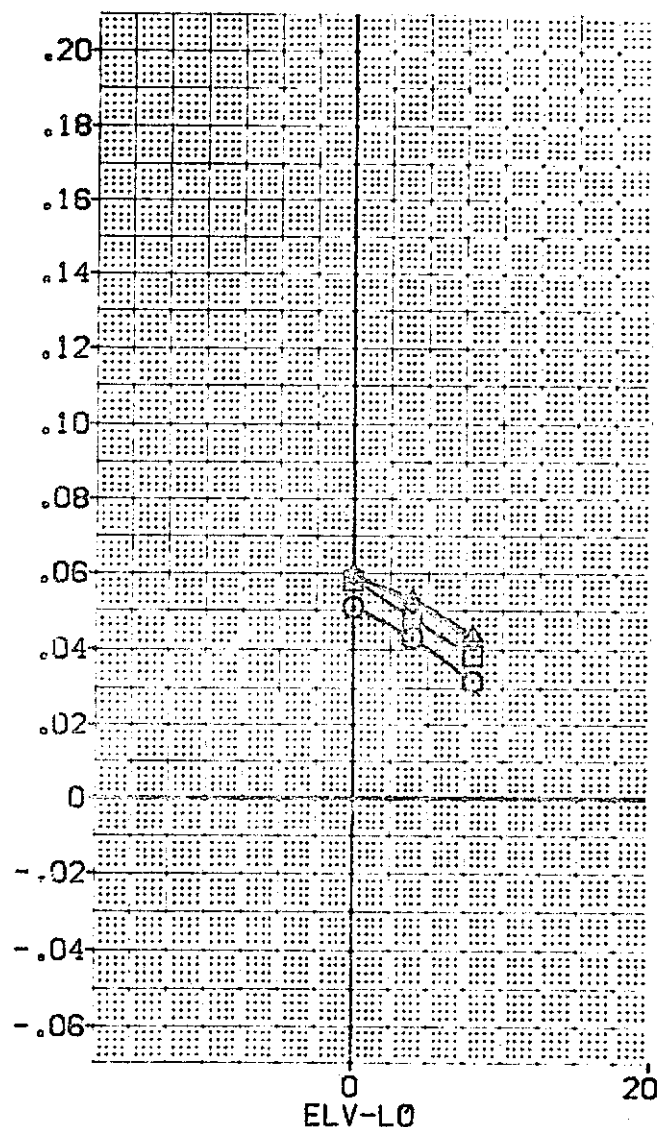
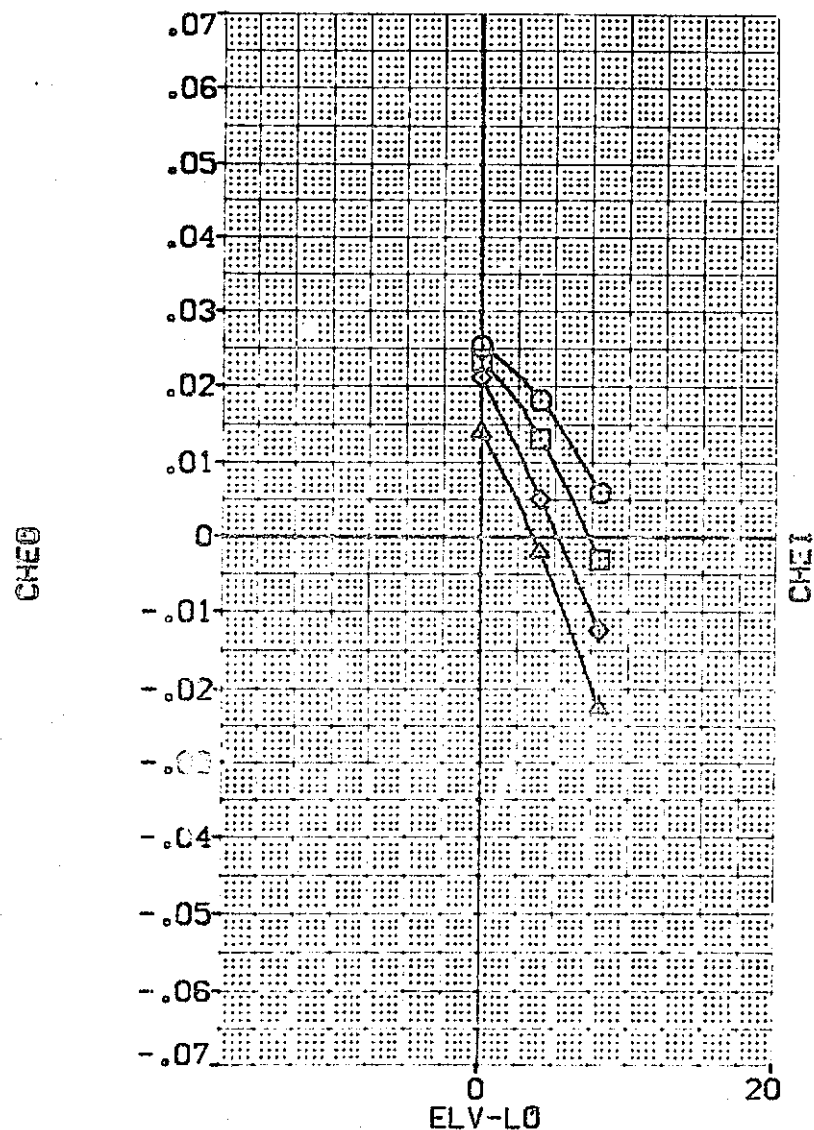


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

IA70 01T12S1P2P8

(AF7017)

SYMBOL
 ○
 □
 ◇
 △
 ▽

ALPHA
 -0.000
 -0.000
 -4.000
 -2.000
 .000

PARAMETRIC VALUES
 MACH 1.120
 ELV-LI 4.000
 ELV-R0 -4.000
 DELTA
 ELV-RI
 EFLAP

.000 DATASET
 4.000 AF7017
 .000 AF7003

DATA SOURCE
 ELV-L0
 -4.000
 4.000

DATASET
 AF7003
 AF7012

ELV-L0
 .000
 0.000

REFERENCE INFORMATION
 SREF 2650.0000
 LREF 474.6000
 BREF 936.7000
 XMRP .0000
 YMRP .0000
 ZMRP .0000
 SCALE .0150
 SQ.FT.
 IN.
 IN.
 IN. XT
 IN. YT
 IN. ZT

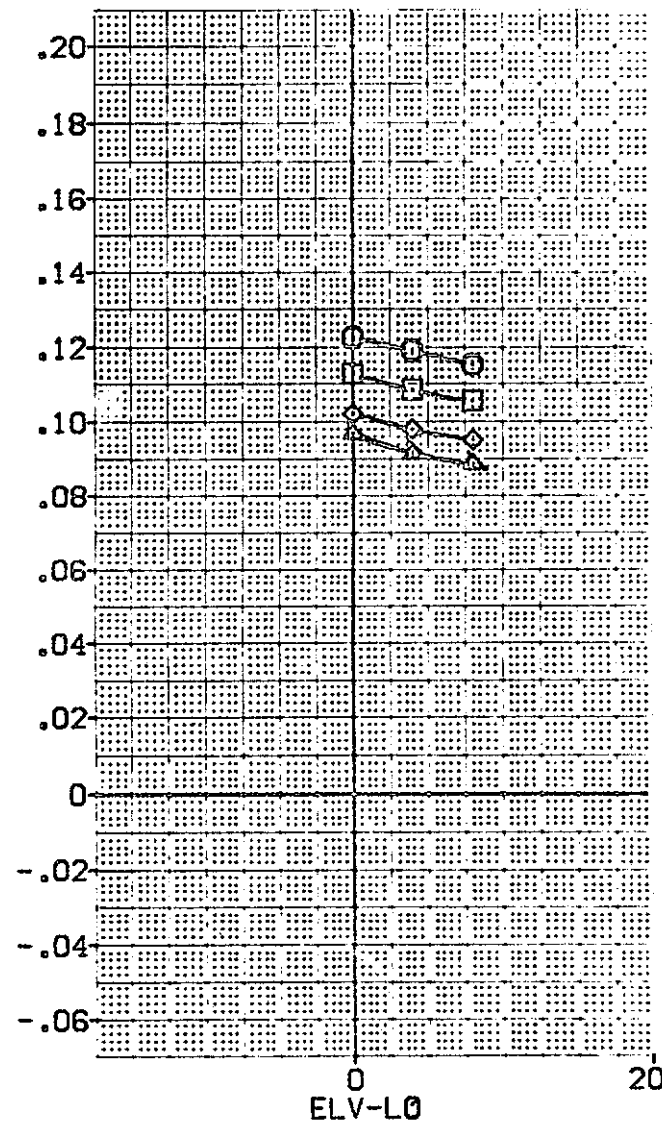
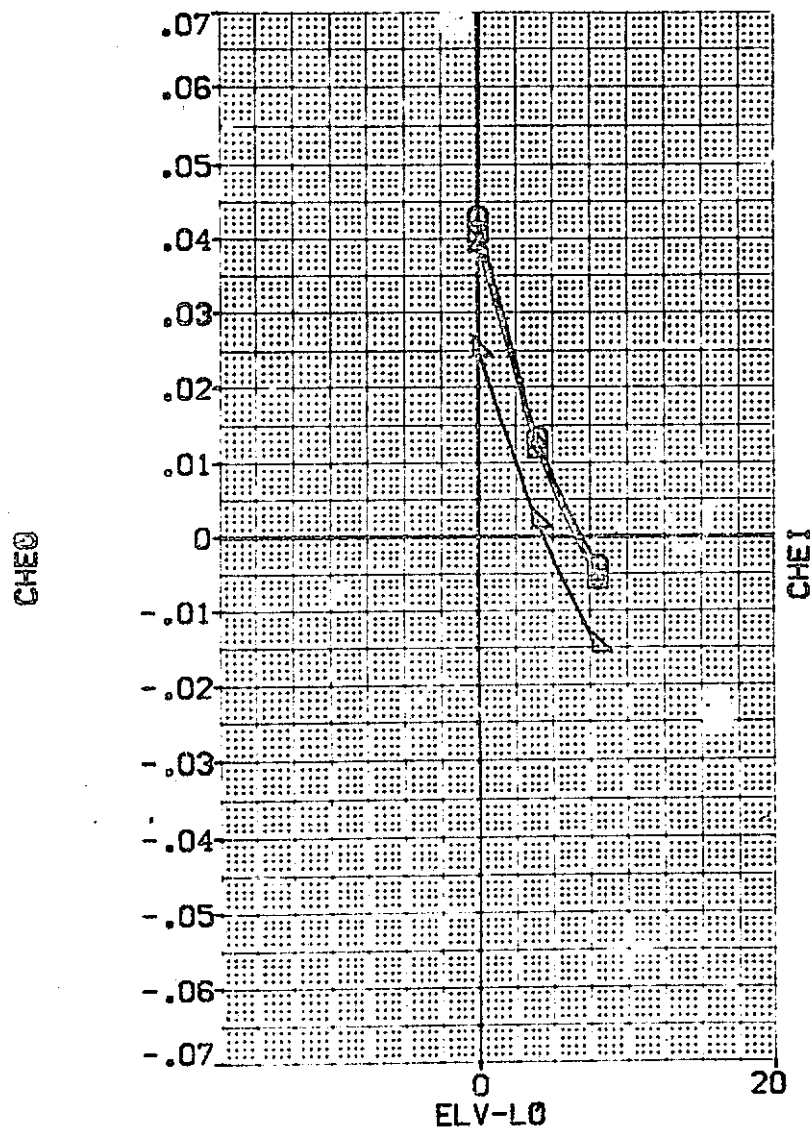


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

1A70 01T12S1P2P8

(AF7017)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
○	2.000	1.120	SETA	.000 AF7017	SREF 2690.0000 SQ.FT.
□	4.000	4.000	ELV-LI	4.000 AF7003	LREF 474.8000 IN.
◇	6.000	-4.000	ELV-RI	.000 AF7009	BREF 936.7000 IN.
△	8.000		BFLAP		X-REF .0000 IN. XT
					Y-REF .0000 IN. YT
					Z-REF .0000 IN. ZT
					SCALE .0150

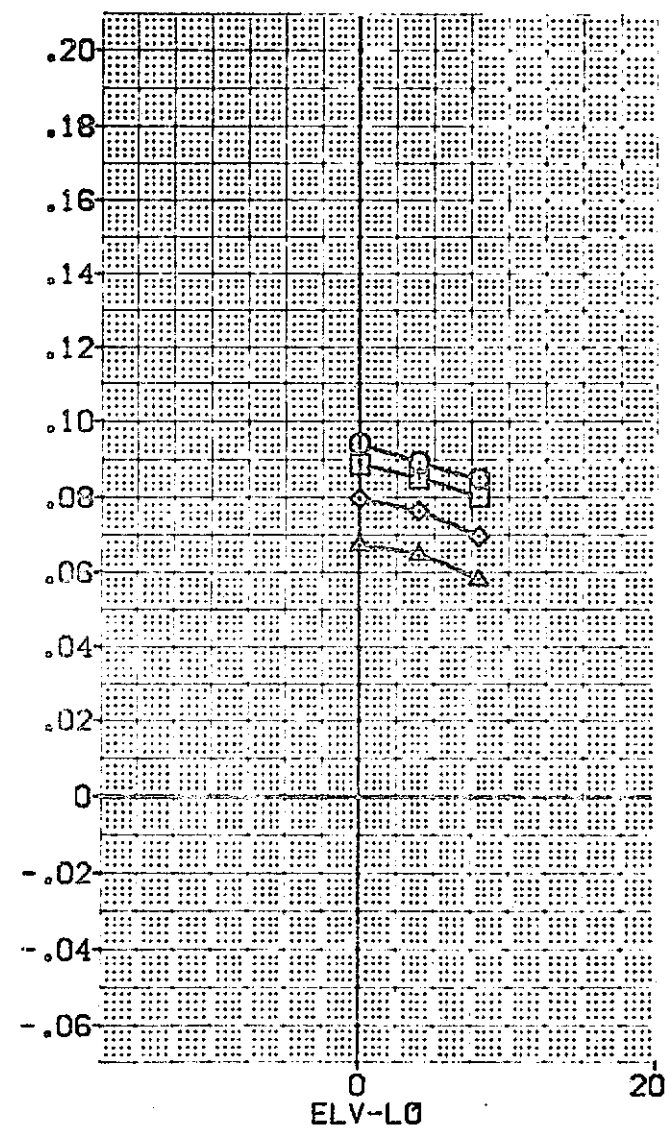
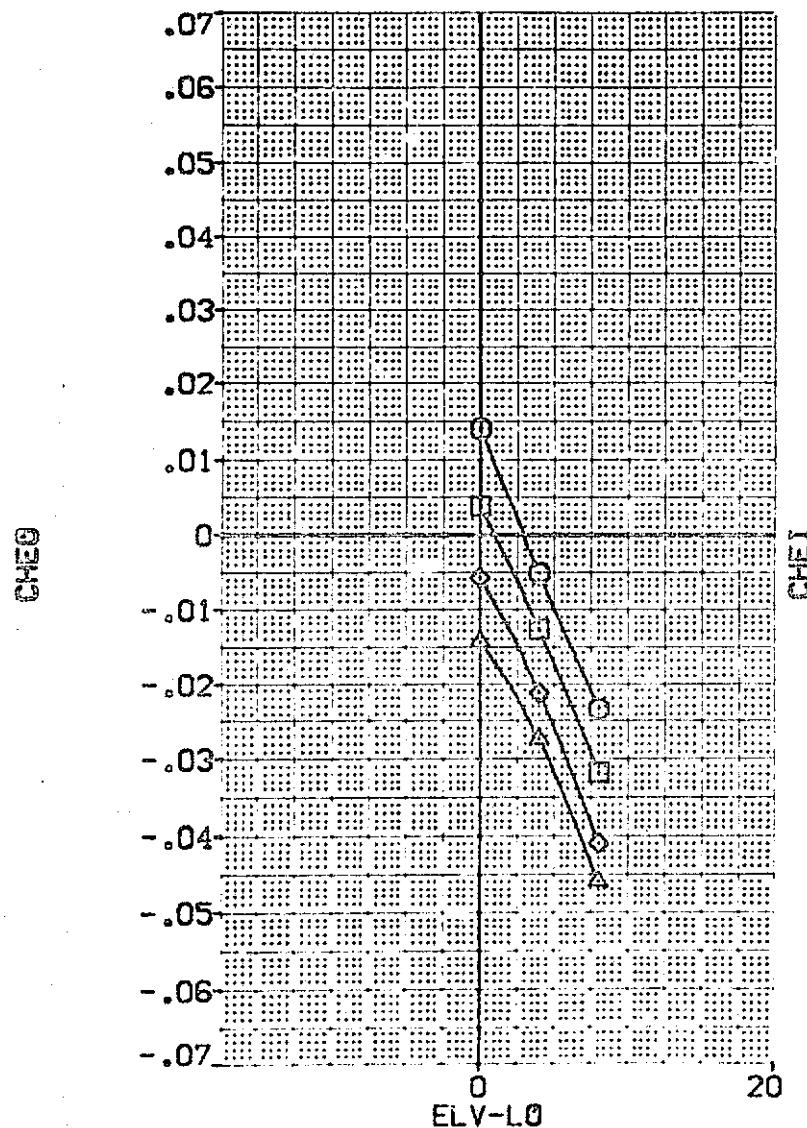


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

IA70 01T12S1P2P8

(AF7017)

TYPE	ALPHA	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
○	-0.000	MACH 1.240	.000 DATASET	SREF 2380.0000
□	-0.000	ELV-LI 4.000	4.000 AF7017	LREF 474.8000
◇	-4.000	ELV-RI -4.000	.000 AF7003	BREF 936.7000
△	-2.000	BFLAP		XMRP .0000
▽	.000			YMRP .0000
				ZMRP .0000
				SCALE .0150
				SQ.FT. IN. IN. XT IN. YT IN. ZT

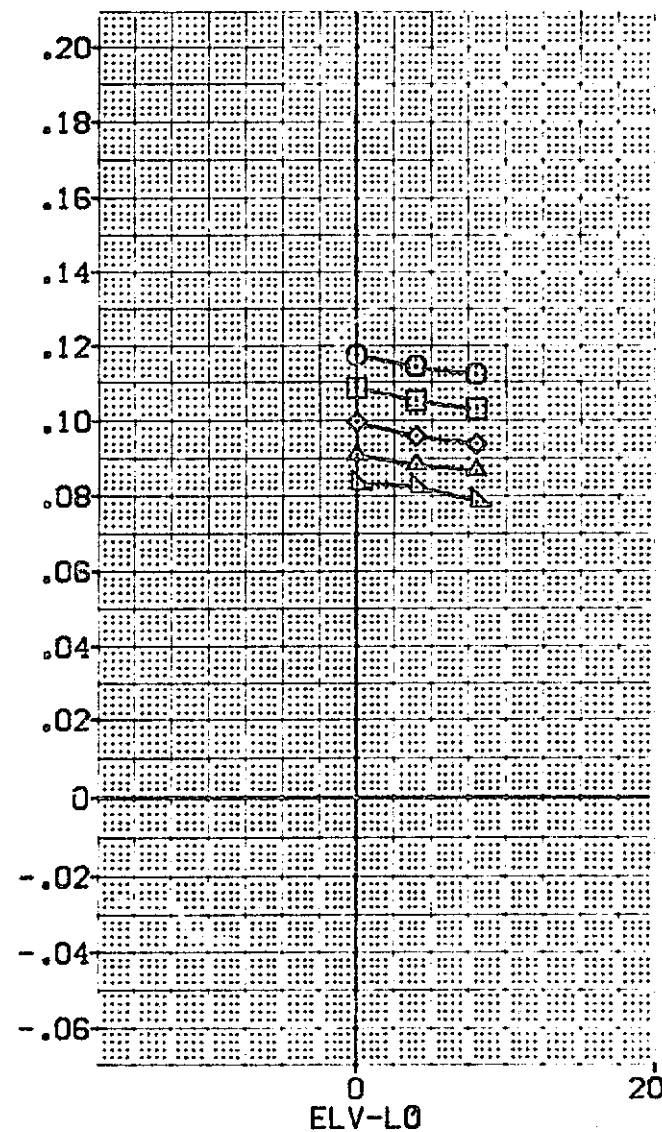
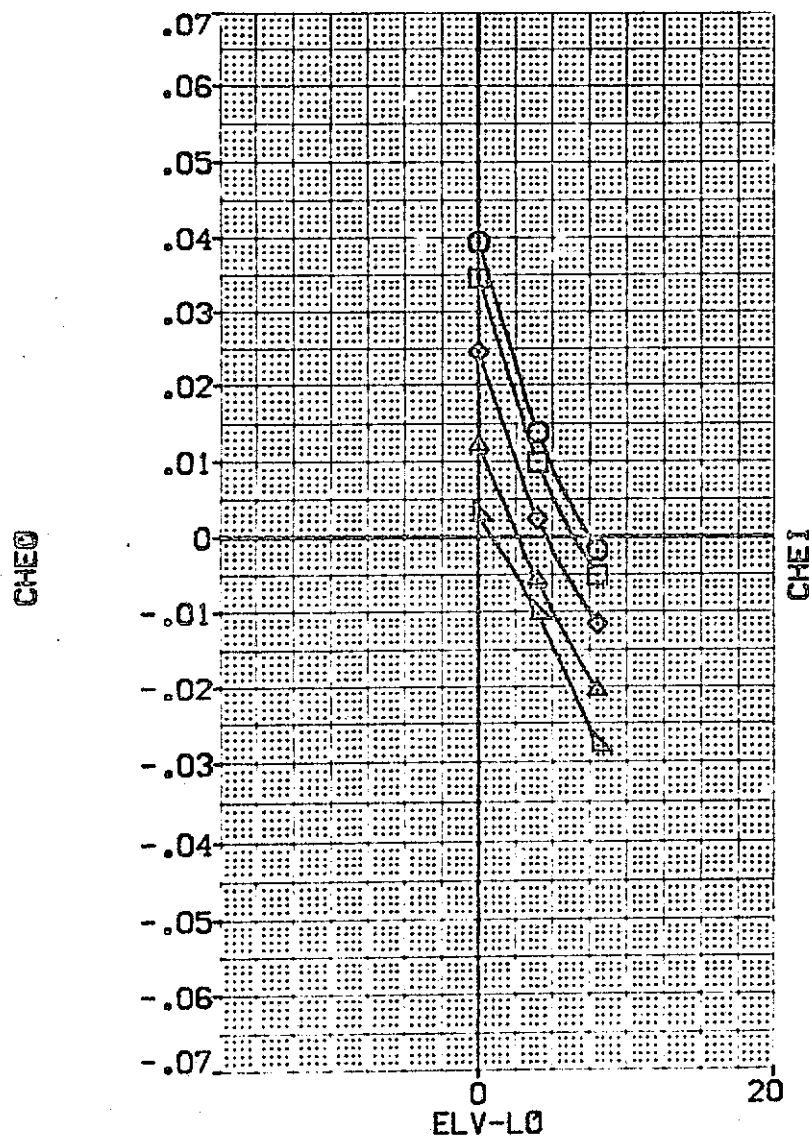


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

IA70 01T12S1P2P8

(AF7017)

SYMBOL	ALPHA	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
○	2.000	HACH 1.240 BETA .000 DATASET ELV-L0	AF7003	SREF 2690.0000 SQ.FT.
□	4.000	ELV-L1 4.000 ELV-RI 4.000 AF7017	AF7012	LREF 474.8000 IN.
◇	6.000	ELV-R0 -4.000 BFLAP .000 AF7009		BREF 935.7000 IN.
△	8.000			XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

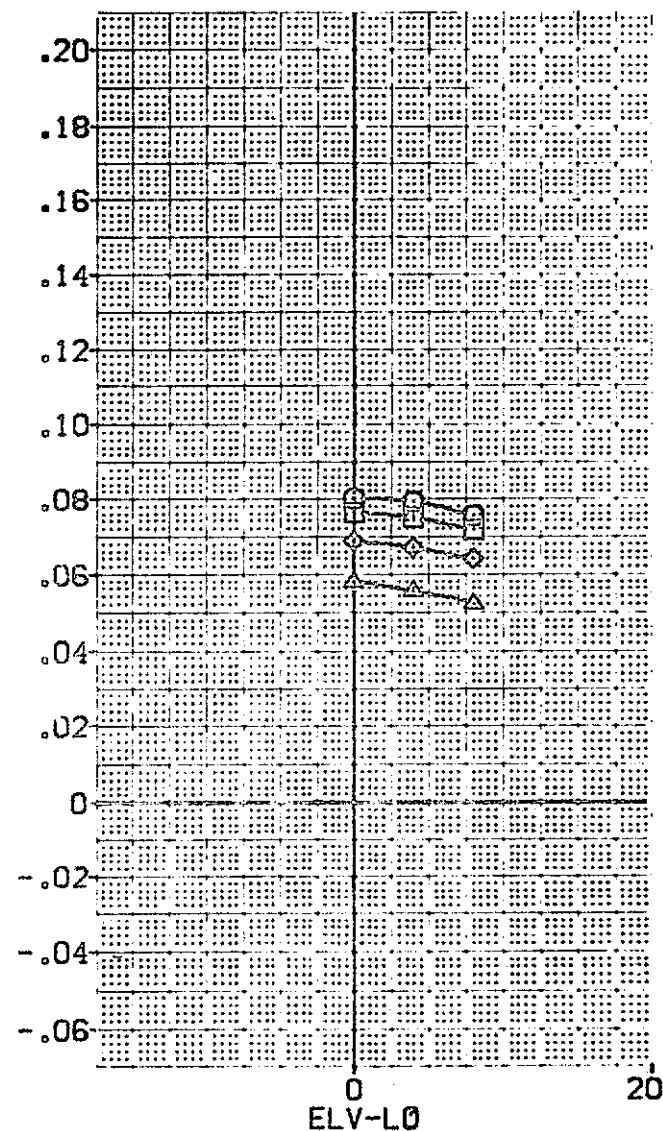
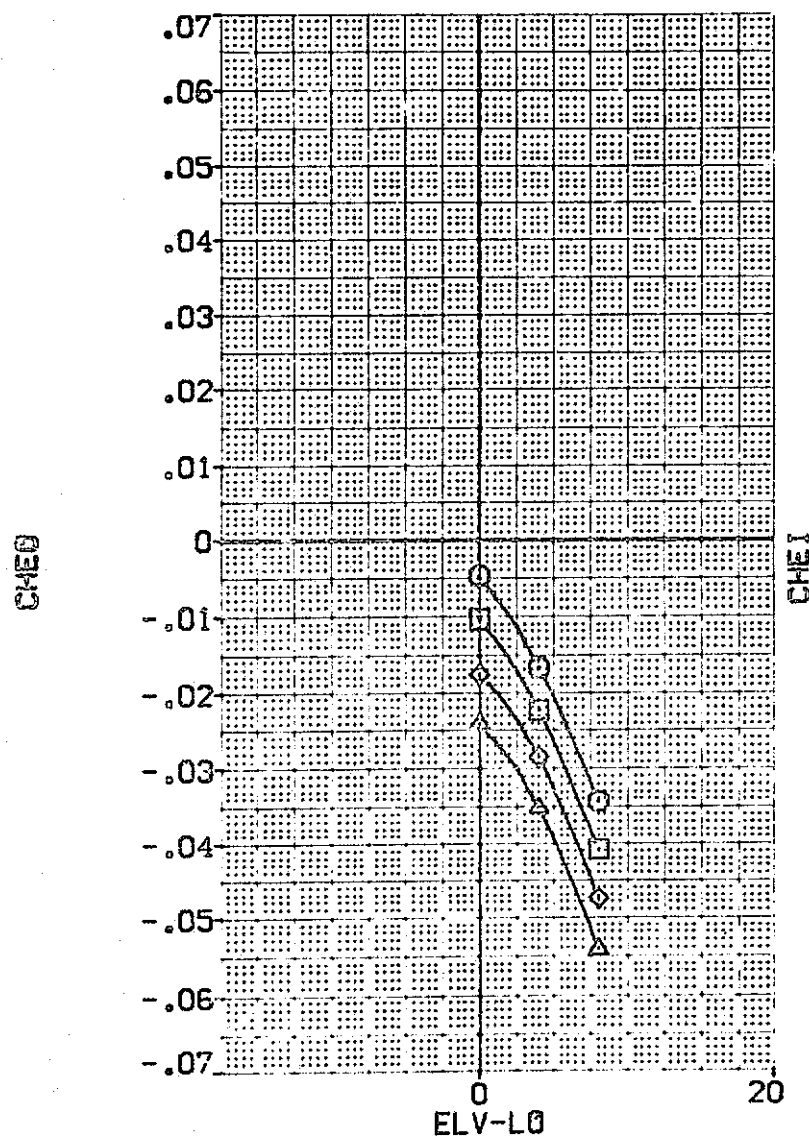


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES		DATA SOURCE			REFERENCE INFORMATION				
○	-3.000		1.500	ETA	.000	DATASET	ELV-L0	DATASET	ELV-L0	SREF	2850.0000	50.FT.
□	-6.000	ELV-L1	4.000	ELV-RI	4.000	AF7017	-4.000	AF7009	.000	LREF	474.8000	IN.
◇	-4.000	ELV-R3	-4.000	BFLAP	.000	AF7009	4.000	AF7012	0.000	BREF	935.7000	IN.
△	-2.000									XWRP	.0000	IN. KT
▽	.000									YWRP	.0000	IN. YT
										ZWRP	.0000	IN. ZT
										SCALE	.0150	

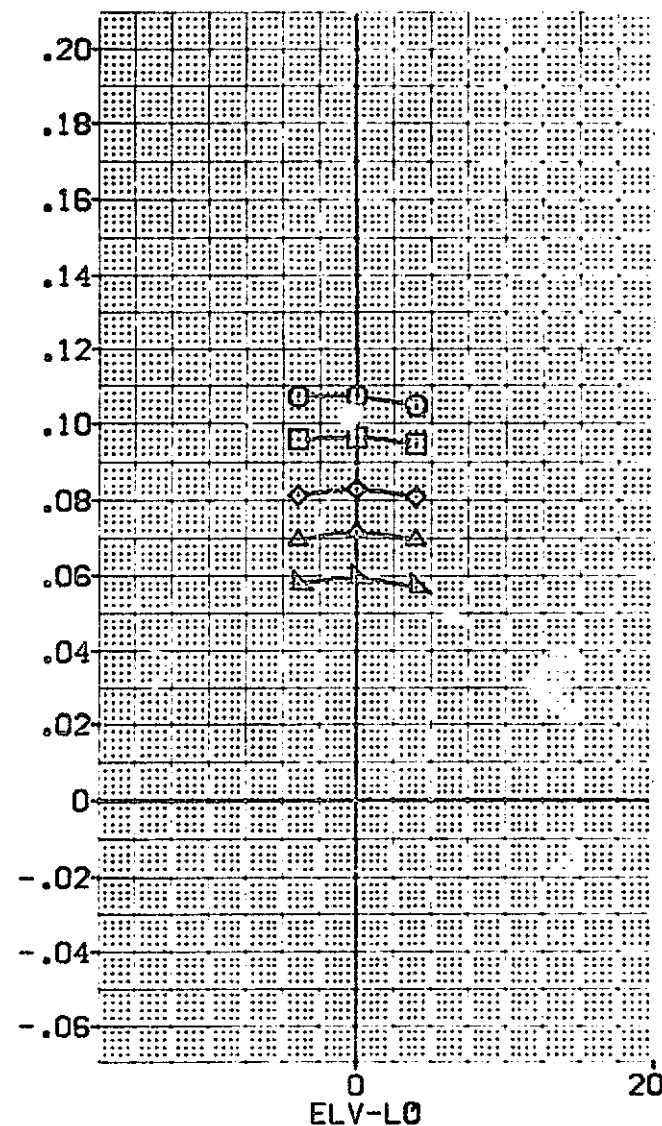
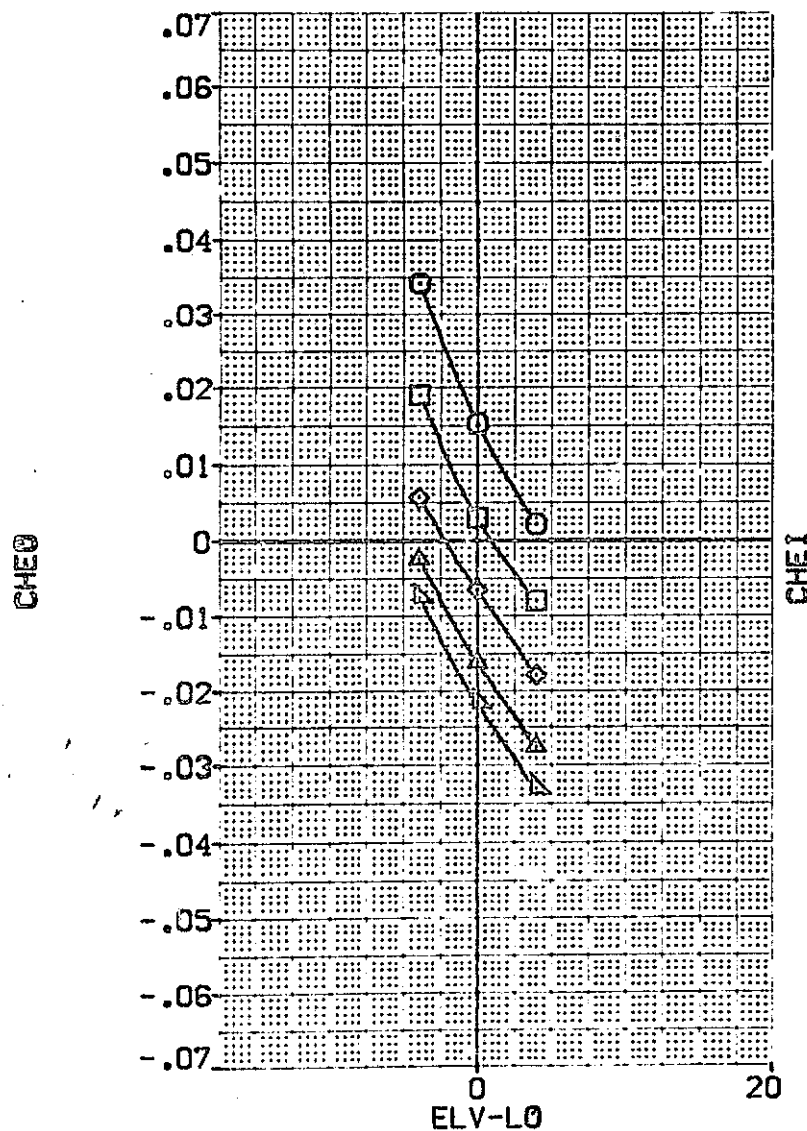


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

IA70 01T12S1P2P8

(AF7017)

SYMBOL	ALPHA	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
○	2.000	MACH 1.500 BETA .000	DATASET ELV-L0	SREF 2690.0000 SQ.FT.
□	4.000	ELV-L1 4.000 ELV-RI 4.000	AF7017 -4.000	LREF 474.8000 IN.
◇	6.000	ELV-R3 -4.000 BFLAP .000	AF7009 4.000	SREF 938.7000 IN.
△	8.000			XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

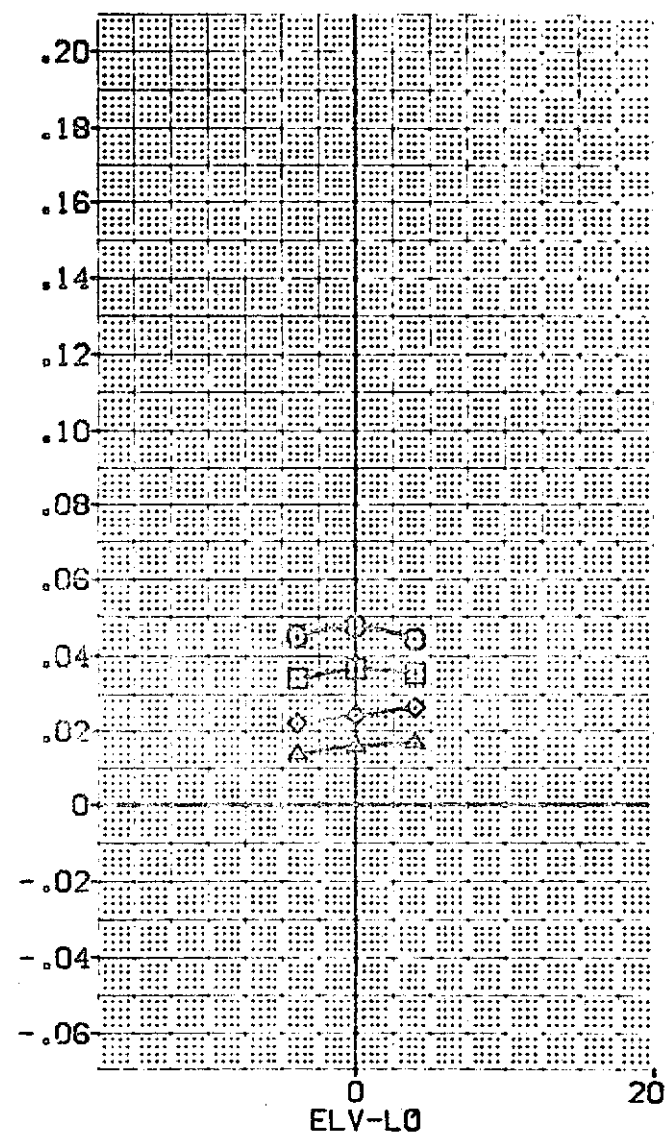
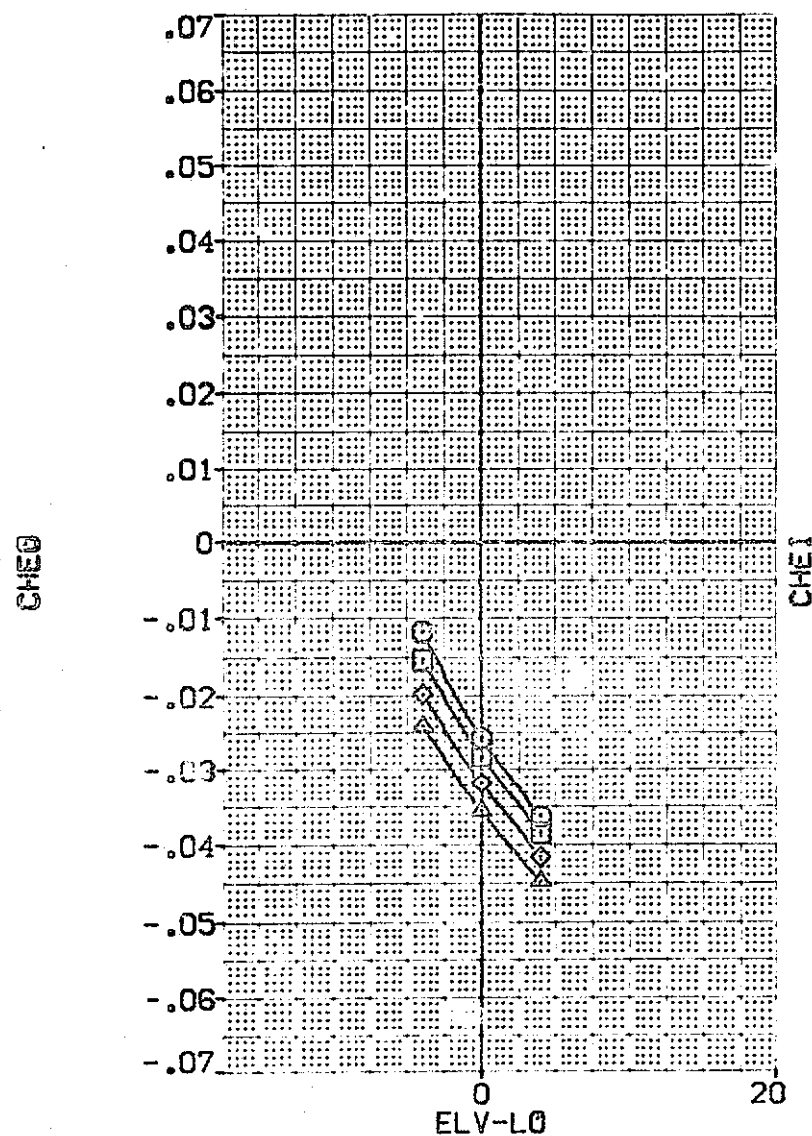


FIG 12 ELEVON EFFECTIVENESS, INBD ELEVON = 4

DATA SET OVERL. CONFIGURATION DESCRIPTION

[AF7010]	□	DATA NOT AVAILABLE
[AF7016]	□	DATA NOT AVAILABLE
[AF7004]	◇	IA70 01T12S1P2F3
[AF7007]	△	IA70 01T12S1P2F3
[AF7019]	▽	IA70 01T12S1P2F3

BLV-L1	BLV-L9	DLAP	SETA	REFERENCE INFORMATION		
0.000	-3.000	.000	.000	SREF	2650.0000	53.FT.
0.000	-4.000	.000	.000	LREF	474.8000	IN.
0.000	0.000	.000	.000	EREF	935.7000	IN.
0.000	4.000	.000	.000	XMRP	.0000	IN. XT
0.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

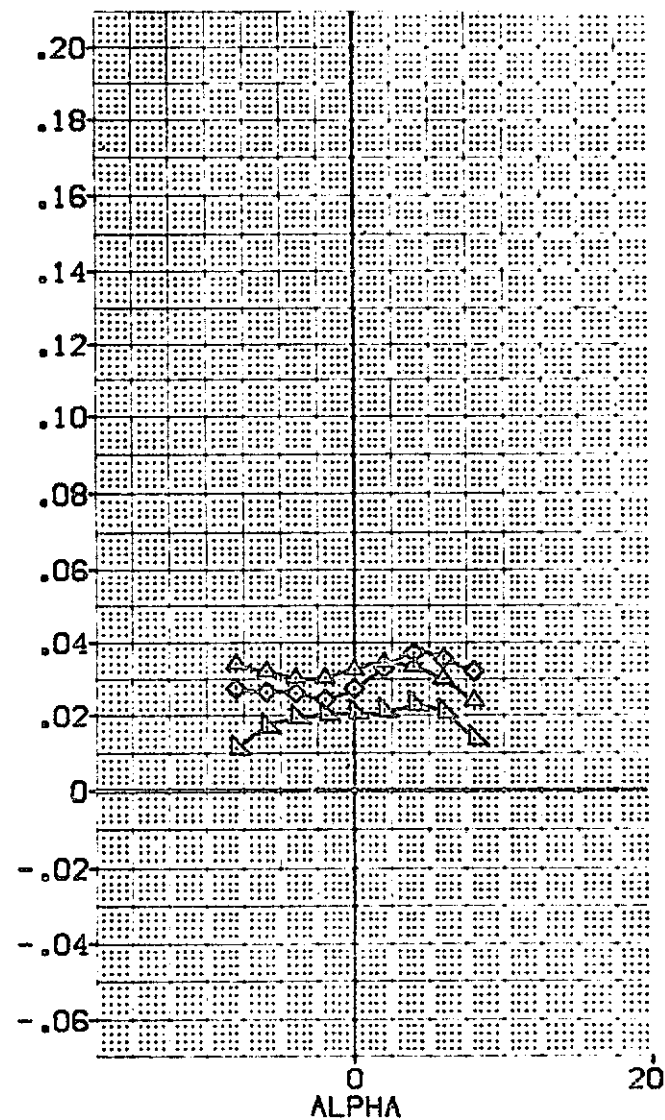
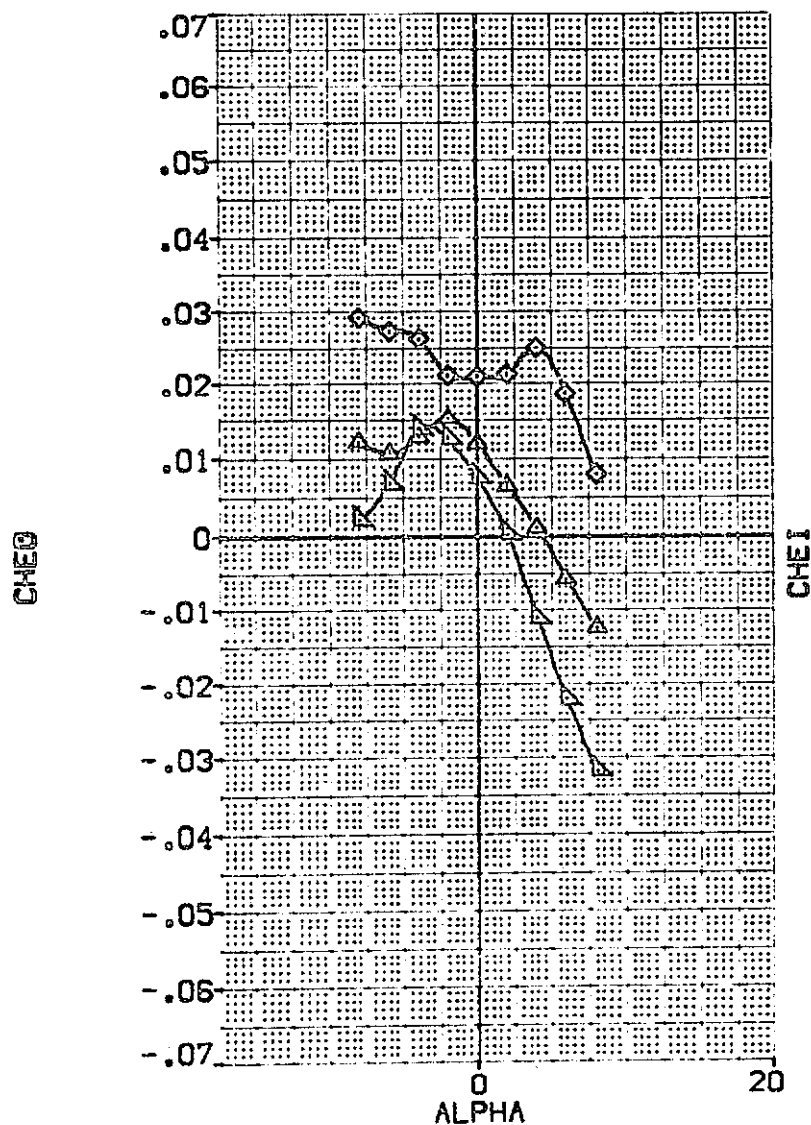


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019] □ DATA NOT AVAILABLE
 [AF7016] ○ DATA NOT AVAILABLE
 [AF7004] × IA70 01T12SIP2P8
 [AF7007] △ IA70 01T12SIP2P8
 [AF7013] ▽ IA70 01T12SIP2P8

ELV-L1	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION		
0.000	-9.000	.000	.000	SREF	2690.0000	50.FT.
0.000	-4.000	.000	.000	LREF	474.6000	IN.
0.000	.000	.000	.000	BREF	936.7000	IN.
0.000	4.000	.000	.000	XMPP	.0000	IN. XT
0.000	8.000	.000	.000	YMPP	.0000	IN. YT
				ZMPP	.0000	IN. ZT
				SCALE	.0150	

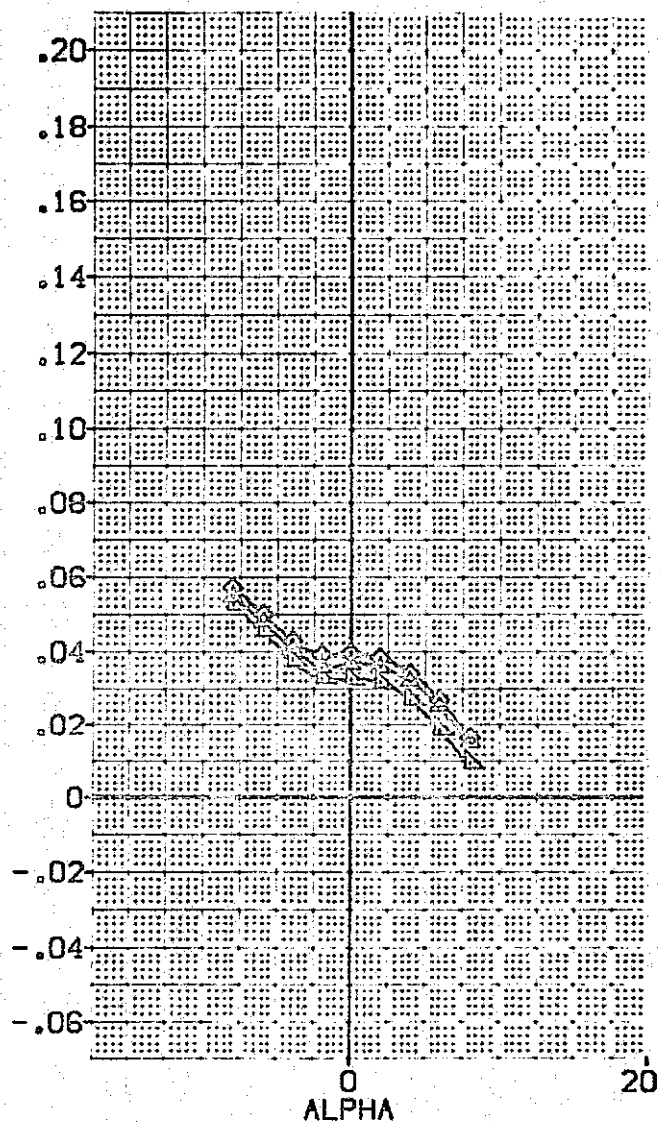
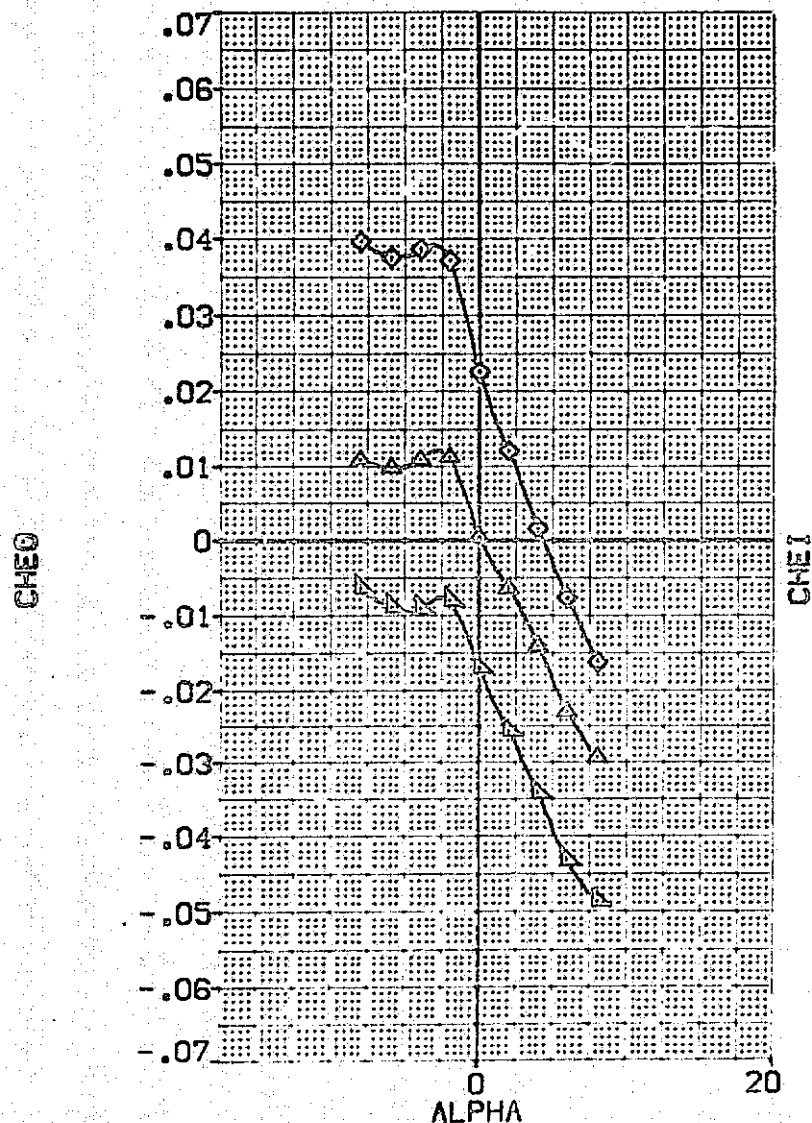


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019]	DATA NOT AVAILABLE
[AF7016]	DATA NOT AVAILABLE
[AF7004]	1A70 01T12SIP2F8
[AF7007]	1A70 01T12SIP2F8
[AF7013]	1A70 01T12SIP2F9

ELV-L1	ELV-L0	EFLAP	DETA	REFERENCE INFORMATION		
0.000	-9.000	.000	.000	SREF	2000.0000	93.FT.
0.000	-4.000	.000	.000	LREF	474.0000	IN.
0.000	.000	.000	.000	EREF	936.7000	IN.
0.000	4.000	.000	.000	XMRP	.0000	IN. XT
0.000	9.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

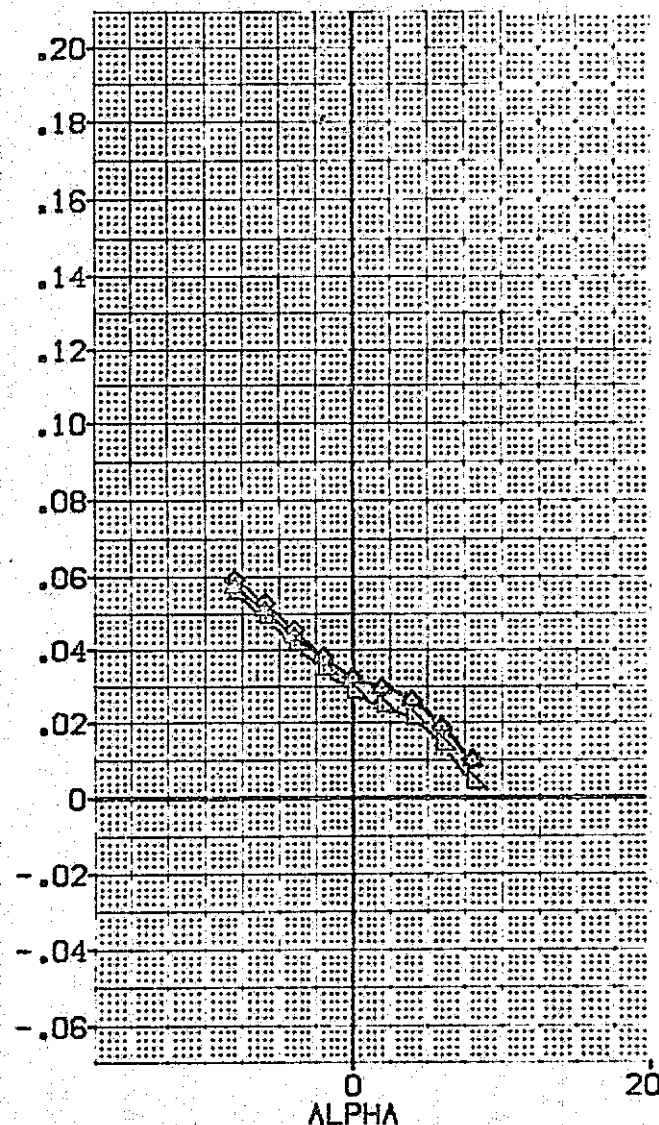
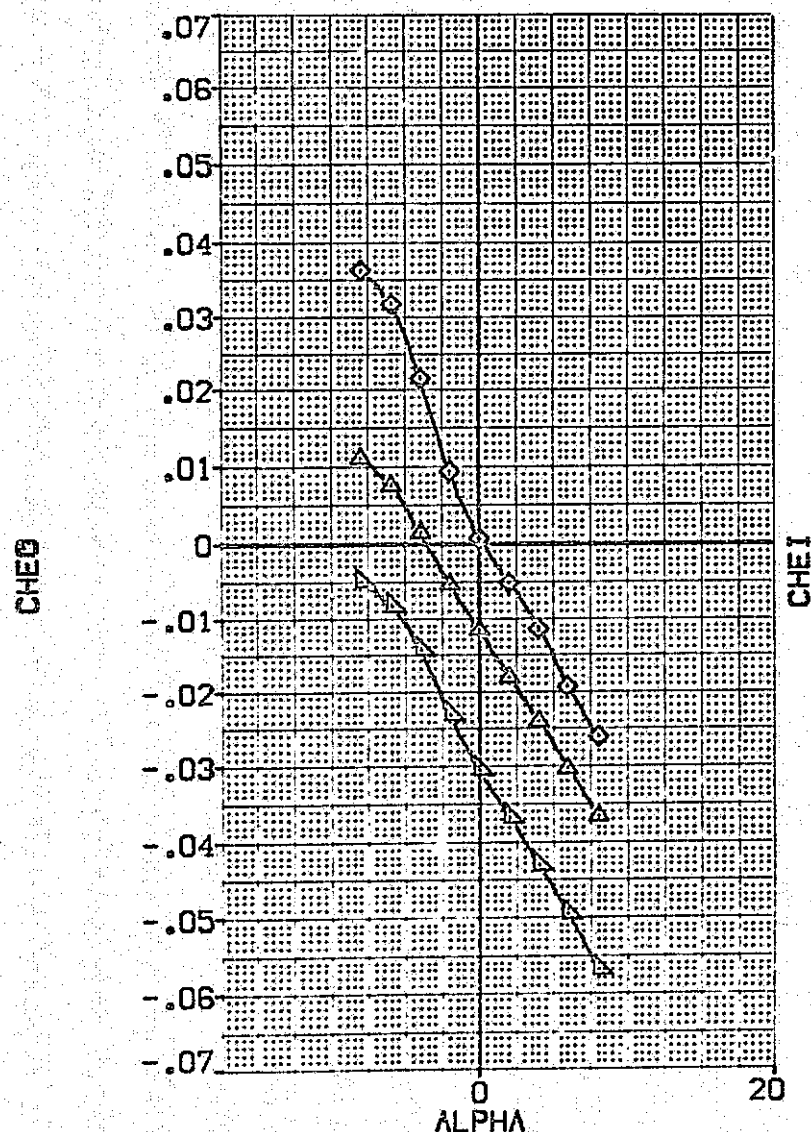


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
 (C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019]	□	IA70 01T12S1P2P8
[AF7016]	□	IA70 01T12S1P2P8
[AF7034]	◇	IA70 01T12S1P2P8
[AF7007]	△	IA70 01T12S1P2P8
[AF7013]	△	IA70 01T12S1P2P8

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION		
8.000	-8.000	.000	.000	SREF	2690.0000	SQ.FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	935.7000	IN.
8.000	4.000	.000	.000	XMRP	.0000	IN. X1
8.000	8.000	.000	.000	YMRP	.0000	IN. Y1
				ZMRP	.0000	IN. Z1
				SCALE	.0150	

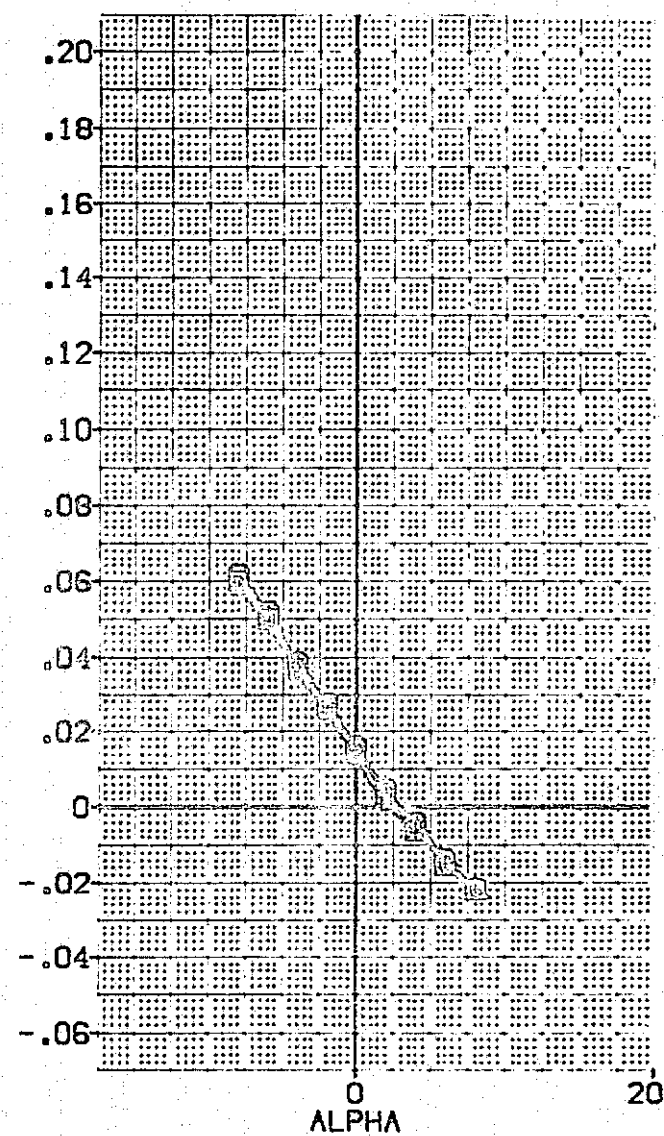
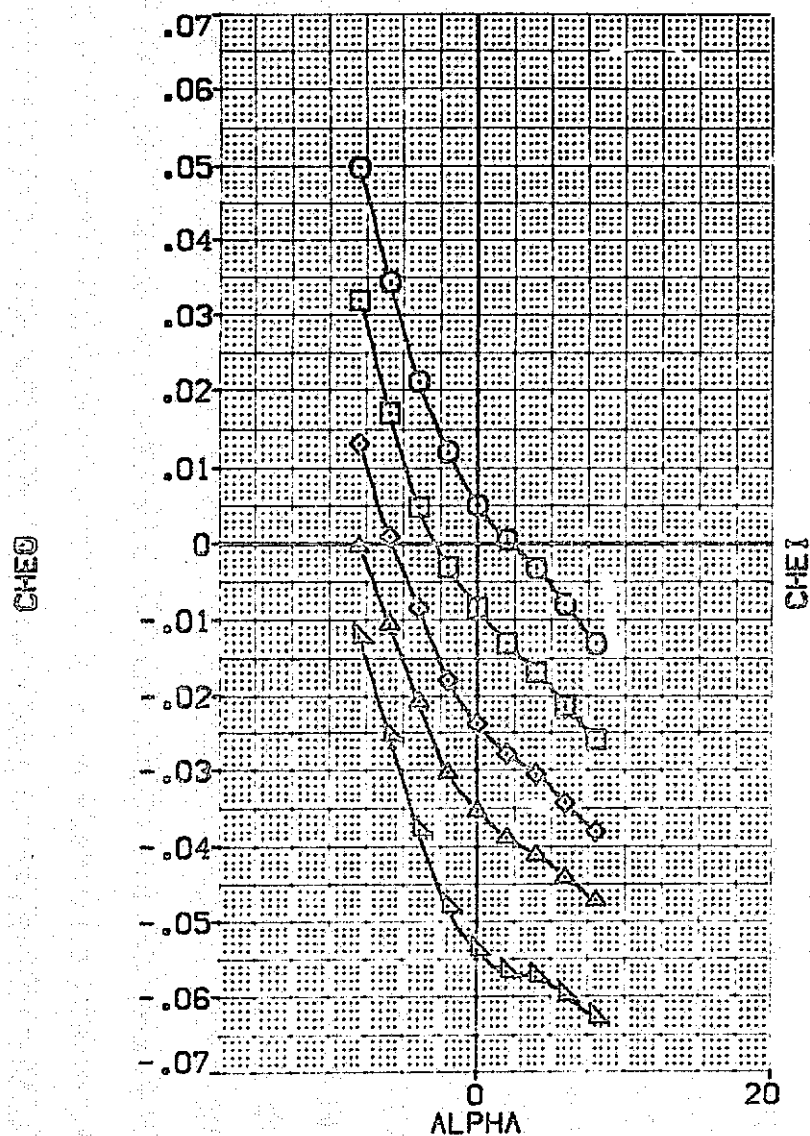


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7019]	DATA NOT AVAILABLE
[AF7018]	DATA NOT AVAILABLE
[AF7004]	IA70 01T1251P2F3
[AF7007]	IA70 01T1251P2F3
[AF7013]	IA70 01T1251P2F3

ELV-L1	ELV-L2	ELAP	ETA	REFERENCE INFORMATION
0.000	-0.000	.000	.000	SREF 2620.0000 59.FT.
0.000	-4.000	.000	.000	LREF 474.8000 IN.
0.000	.000	.000	.000	BREF 933.7000 IN.
0.000	4.000	.000	.000	XMRP .0000 IN. XT
0.000	8.000	.000	.000	YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

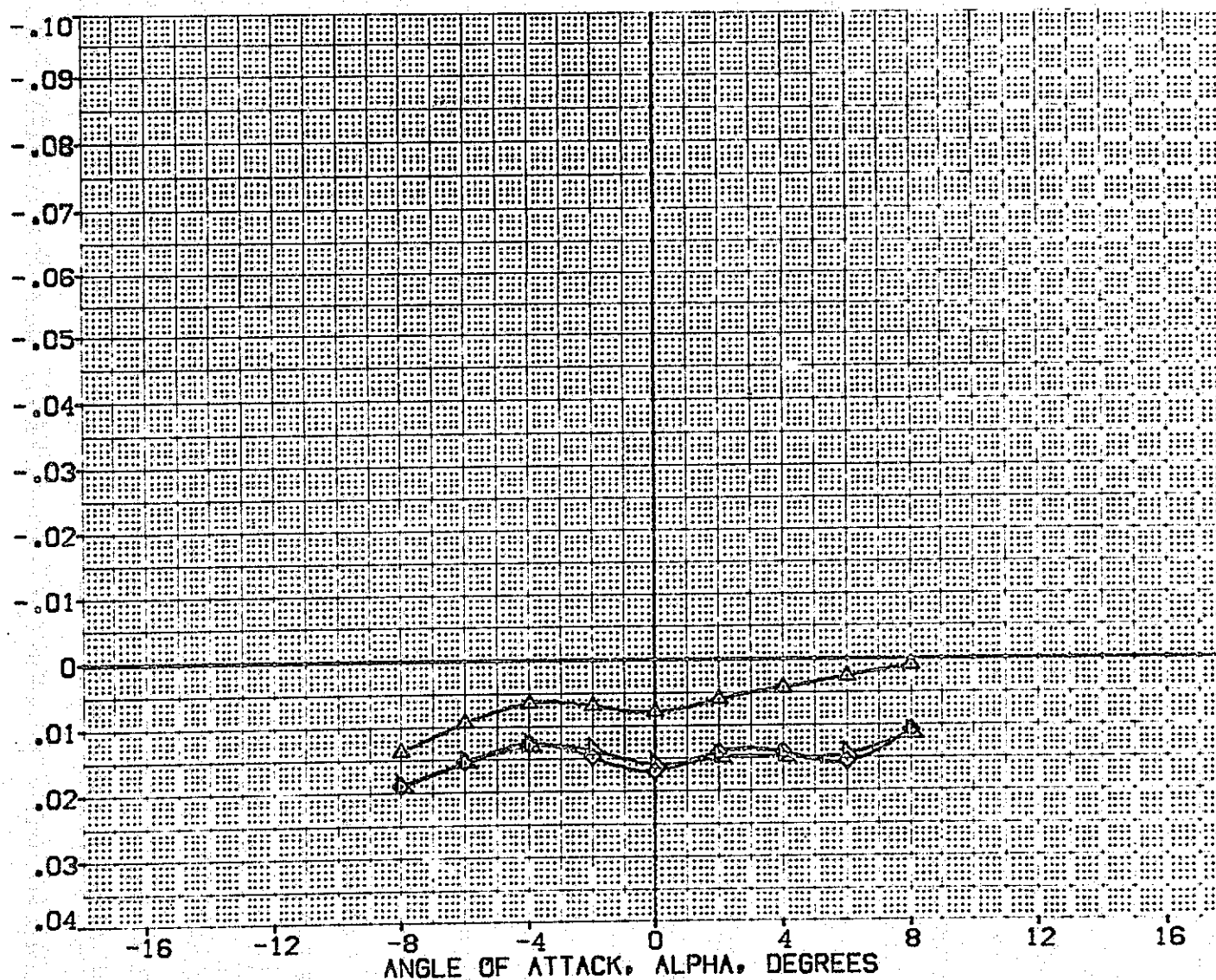


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019] DATA NOT AVAILABLE
 [AF7015] DATA NOT AVAILABLE
 [AF7004] IA70 01T125IP2F8
 [AF7007] IA70 01T125IP2F8
 [AF7013] IA70 01T125IP2F8

ELV-LI	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION		
8.000	-8.000	.000	.000	SREF	2690.0000	SO.FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	935.7000	IN.
8.000	4.000	.000	.000	XMRP	.0000	IN. XT
8.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

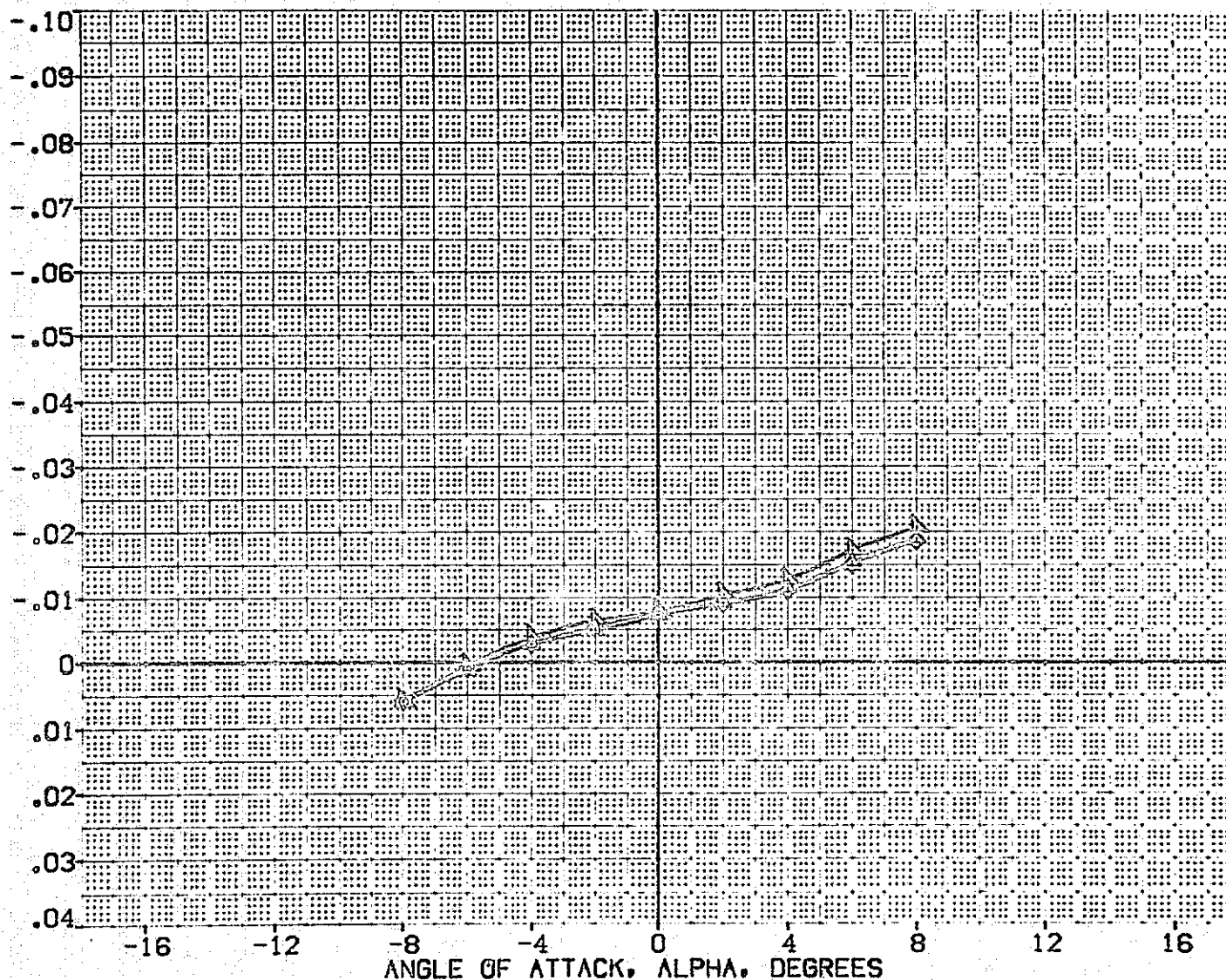


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

(B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010] DATA NOT AVAILABLE
 [AF7016] DATA NOT AVAILABLE
 [AF7004] 1A70 CIT125IP2F3
 [AF7007] 1A70 CIT125IP2F3
 [AF7013] 1A70 CIT125IP2F3

BLV-L1	BLV-L0	CLAP	CLTA	REFERENCE INFORMATION		
0.000	-0.000	.000	.000	SREF	2350.0000	50.FT.
0.000	-4.000	.000	.000	LREF	474.6000	IN.
0.000	.000	.000	.000	EREF	935.7000	IN.
0.000	4.000	.000	.000	XMRP	.0000	IN. XT
0.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

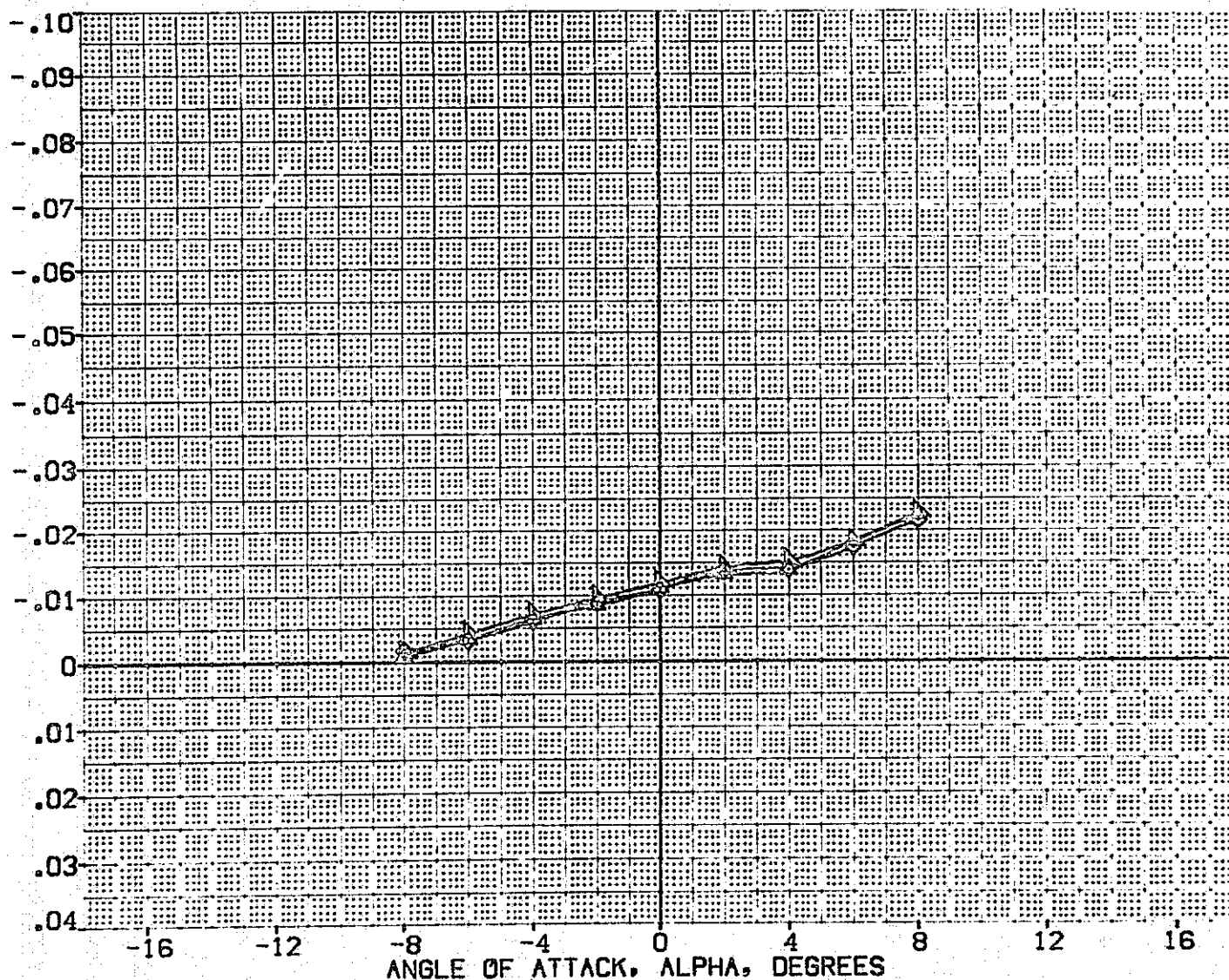







FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
 (C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019]  1A70 01T12S1P2P8
 [AF7016]  1A70 01T12S1P2P8
 [AF7004]  1A70 01T12S1P2P8
 [AF7007]  1A70 01T12S1P2P8
 [AF7013]  1A70 01T12S1P2P8

ELV-L1	ELV-L2	FLAP	BETA	REFERENCE INFORMATION		
8.000	-3.000	.000	.000	SREF	2690.0000	50. FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	936.7000	IN.
8.000	4.000	.000	.000	XMRP	.0000	IN. XT
8.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

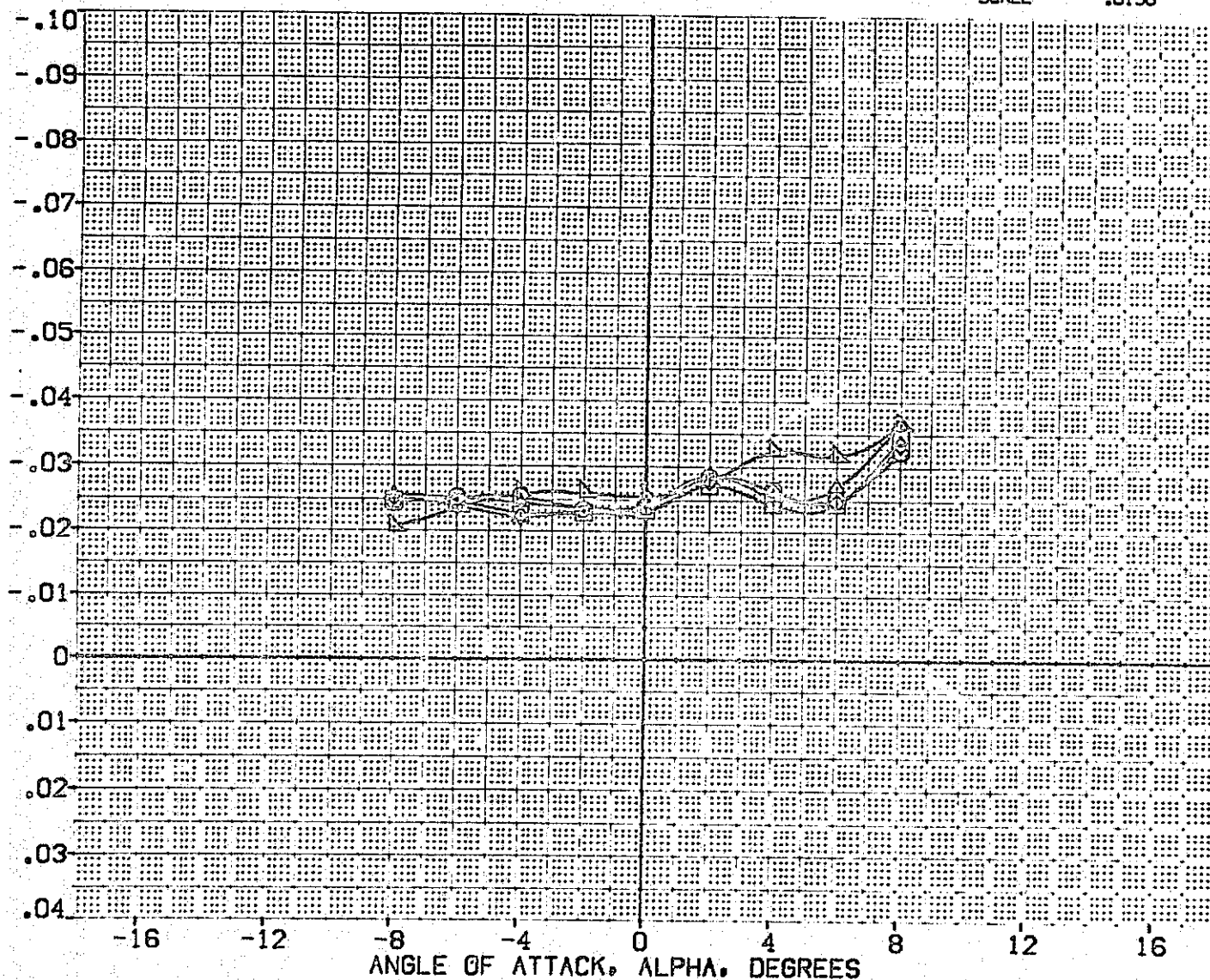


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
 (0)MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7010]	□	DATA NOT AVAILABLE
[AF7016]	□	DATA NOT AVAILABLE
[AF7004]	◇	1A70 01T125IP2F3
[AF7007]	△	1A70 01T125IP2F3
[AF7013]	▽	1A70 01T125IP2F3

ELV-L1	ELV-L2	EFLAP	ETA	REFERENCE INFORMATION		
0.000	-3.000	.000	.000	SREF	2350.0000	50.FT.
0.000	-4.000	.000	.000	LREF	474.8000	IN.
0.000	.000	.000	.000	EREF	935.7000	IN.
0.000	4.000	.000	.000	XMRP	.0000	IN. XT
0.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

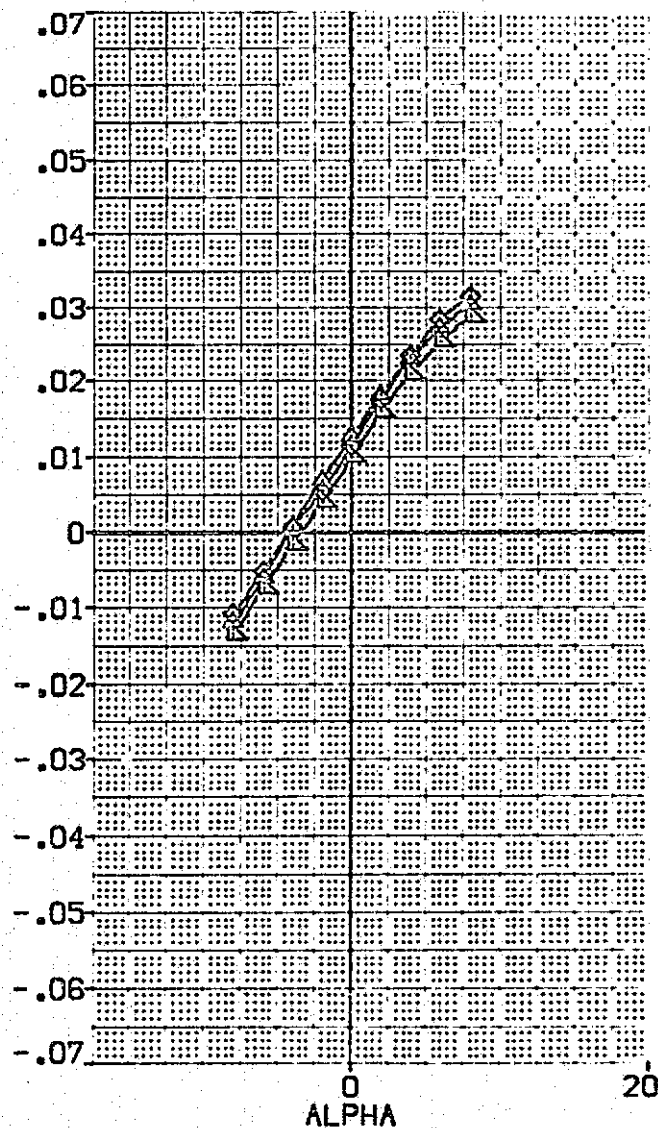
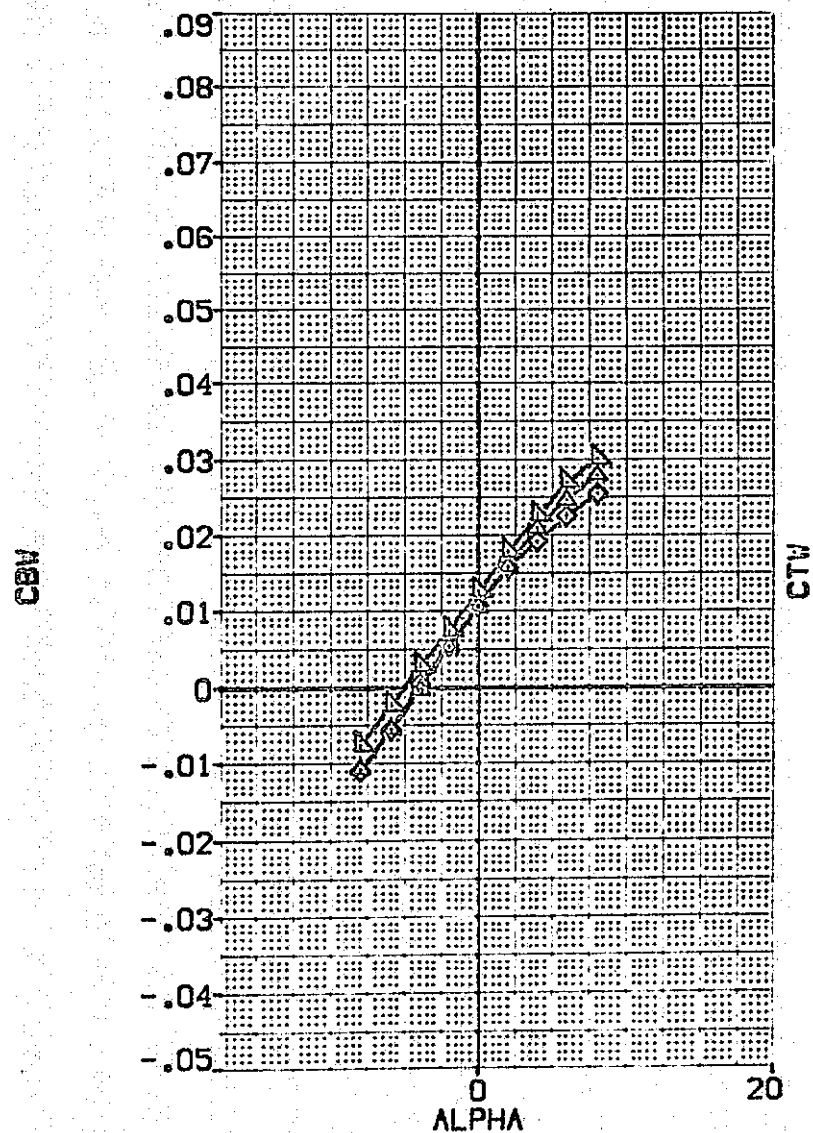


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
CAJMACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7019]	DATA NOT AVAILABLE
[AF7016]	DATA NOT AVAILABLE
[AF7004]	IA70 01T12S1P2F8
[AF7007]	IA70 01T12S1P2F8
[AF7013]	IA70 01T12S1P2F8

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION		
8.000	-0.000	.000	.000	SREF	2690.0000	SQ.FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	935.7000	IN.
8.000	4.000	.000	.000	XMRP	.0000	IN. XT
8.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

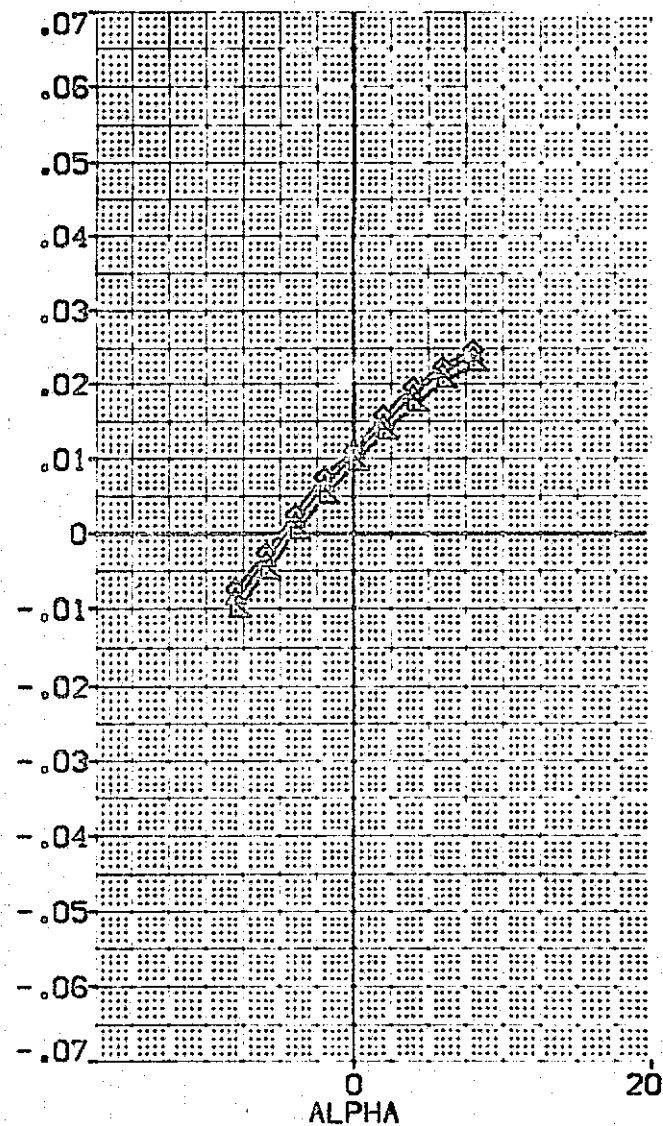
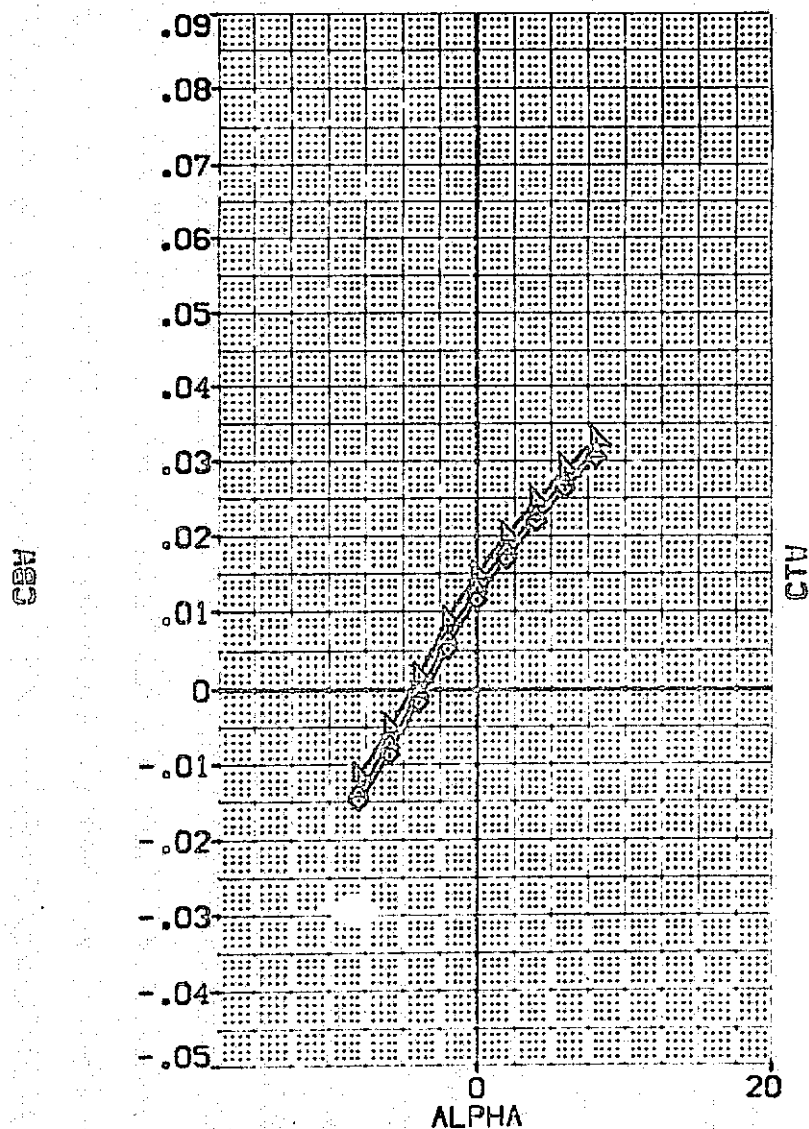


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
(B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019]	□	DATA NOT AVAILABLE
[AF7015]	○	DATA NOT AVAILABLE
[AF7004]	◇	IA70 01T125IP2F8
[AF7007]	△	IA70 01T125IP2F8
[AF7013]	▽	IA70 01T125IP2F8

ELV-L1	ELV-L2	EFLAP	BETA	REFERENCE INFORMATION		
0.000	-3.000	.000	.000	SREF	2650.0000	50.FT.
0.000	-4.000	.000	.000	LREF	474.6000	IN.
0.000	.000	.000	.000	EREF	933.7000	IN.
0.000	4.000	.000	.000	XMRP	.0000	IN. XT
0.000	0.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

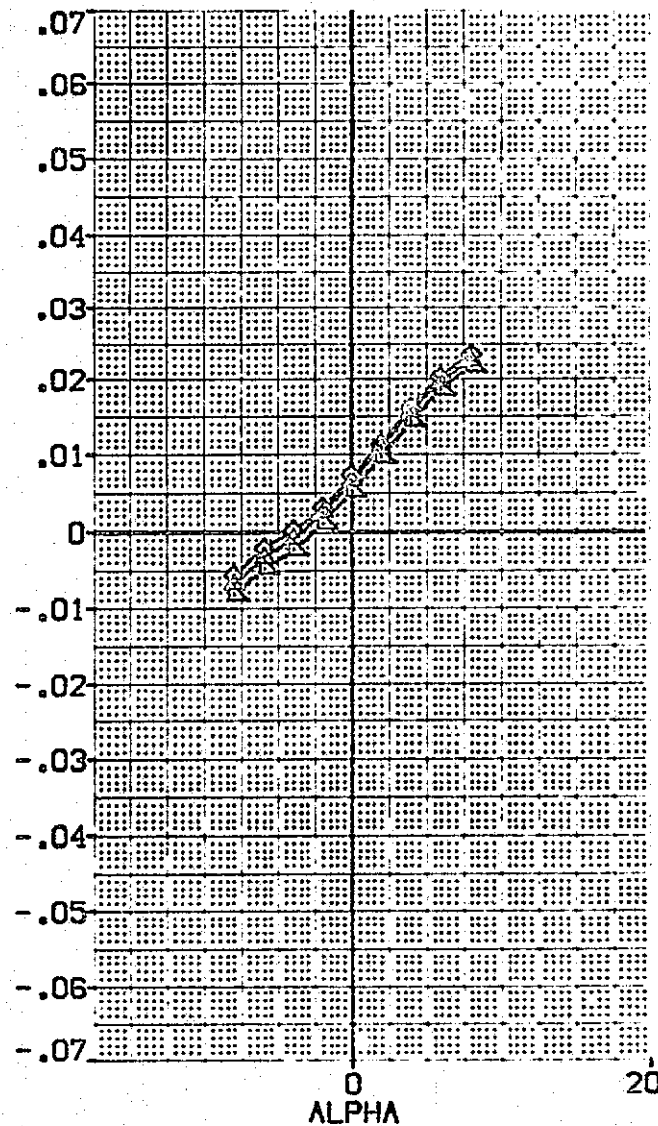
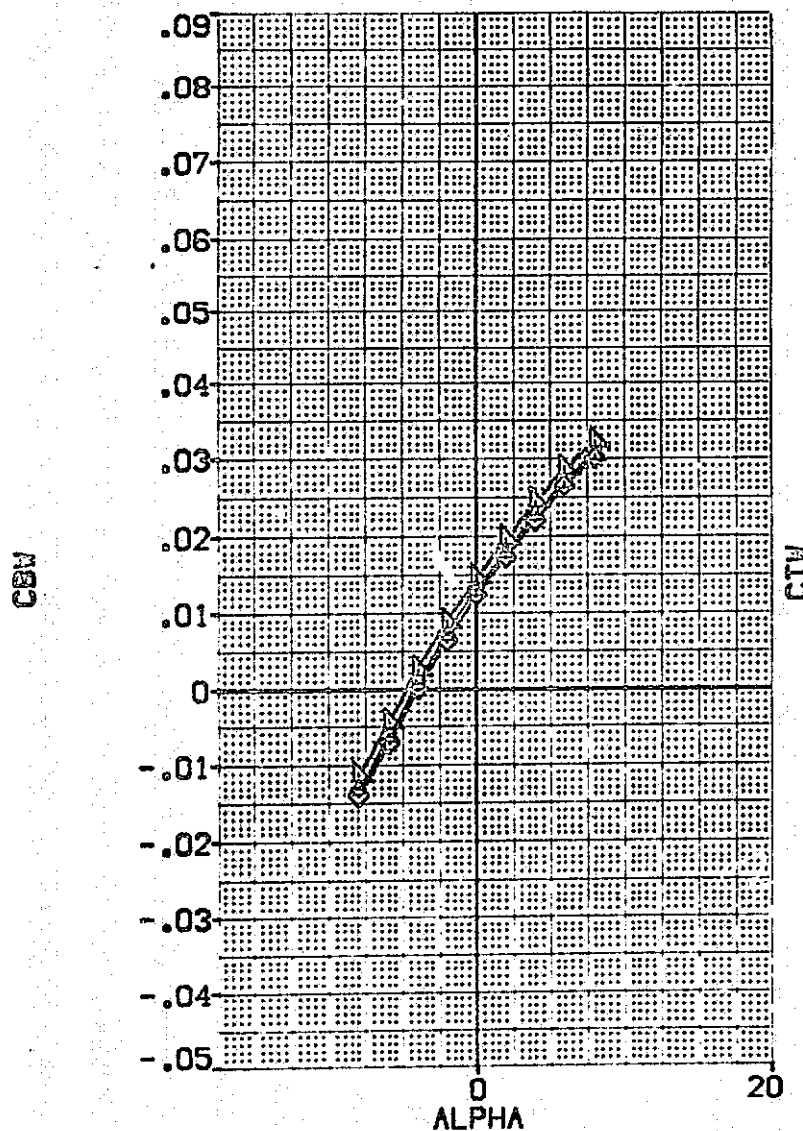


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
(C)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7019]	□	IA70 01T12SIP2P8
[AF7015]	◇	IA70 01T12SIP2P8
[AF7004]	△	IA70 01T12SIP2P8
[AF7007]	▽	IA70 01T12SIP2P8
[AF7013]	△	IA70 01T12SIP2P8

ELV-L1	ELV-L6	BFLAP	BETA	REFERENCE INFORMATION		
8.000	-9.000	.000	.000	SREF	2690.0000	50.FT.
8.000	-4.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	935.7000	IN.
8.000	4.000	.000	.000	XMRP	.0000	IN. XT
8.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

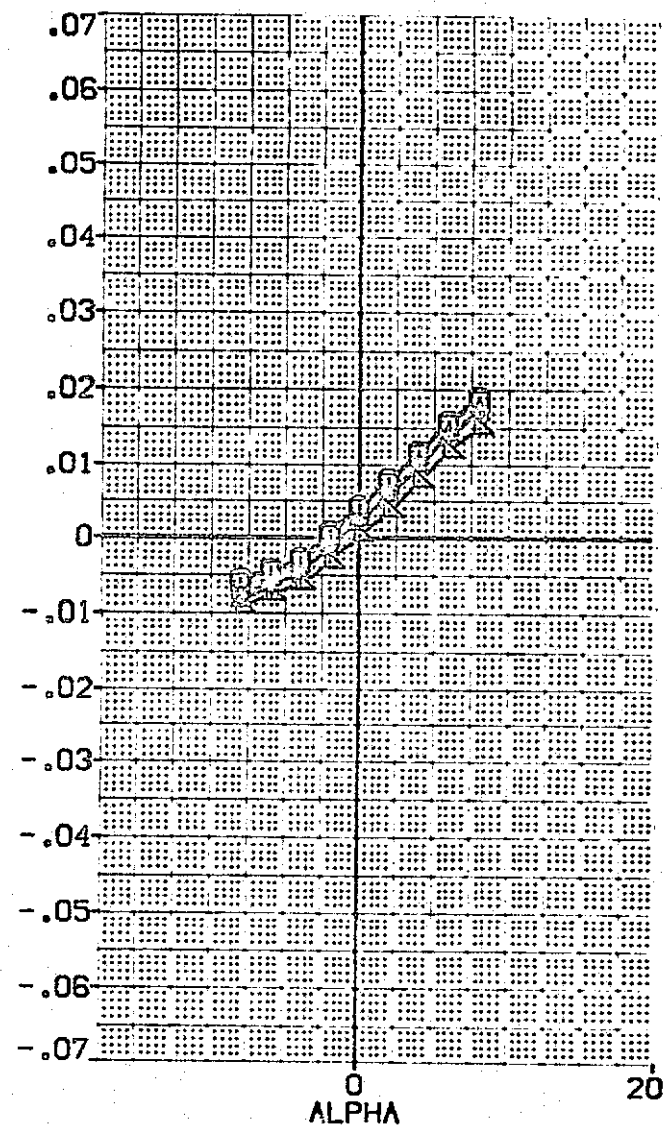
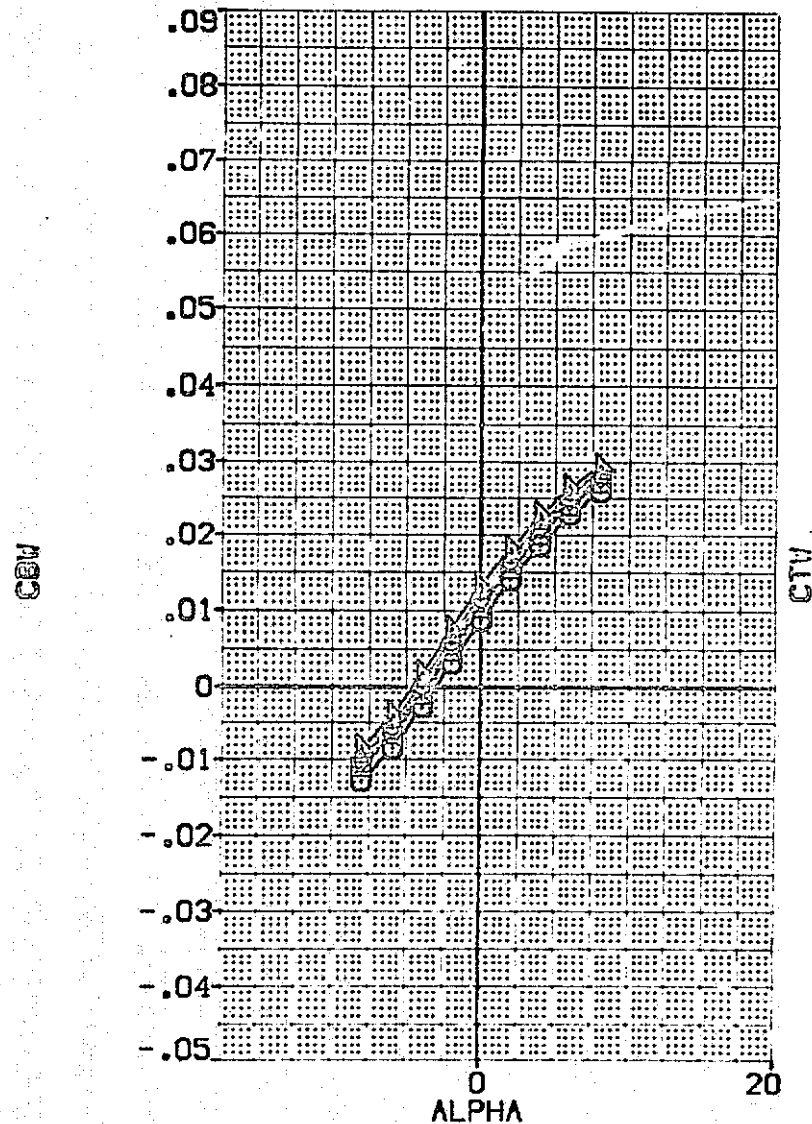


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8
(D)MACH = 1.50

SWEEP	ALPHA	MACH	PARAMETRIC VALUES		DATA SET	DATA SOURCE	ELV-L0	DATA SET	ELV-L0	REFERENCE INFORMATION		
○	-3.000		.000	ETA	.000	AF7019	-9.000	AF7016	-4.000	2350.0000	99. FT.	
□	-3.000	ELV-LI	0.000	ELV-RI	0.000	AF7019	-9.000	AF7016	-4.000	474.6000	IN.	
◇	-4.000	ELV-R3	-9.000	EPLAP	.000	AF7013	.000	AF7007	4.000	925.7000	IN.	XT
△	-2.000									.0000	IN.	YT
▽	.000									.0000	IN.	ZT
										ZMRP		
										SCALE	.0150	

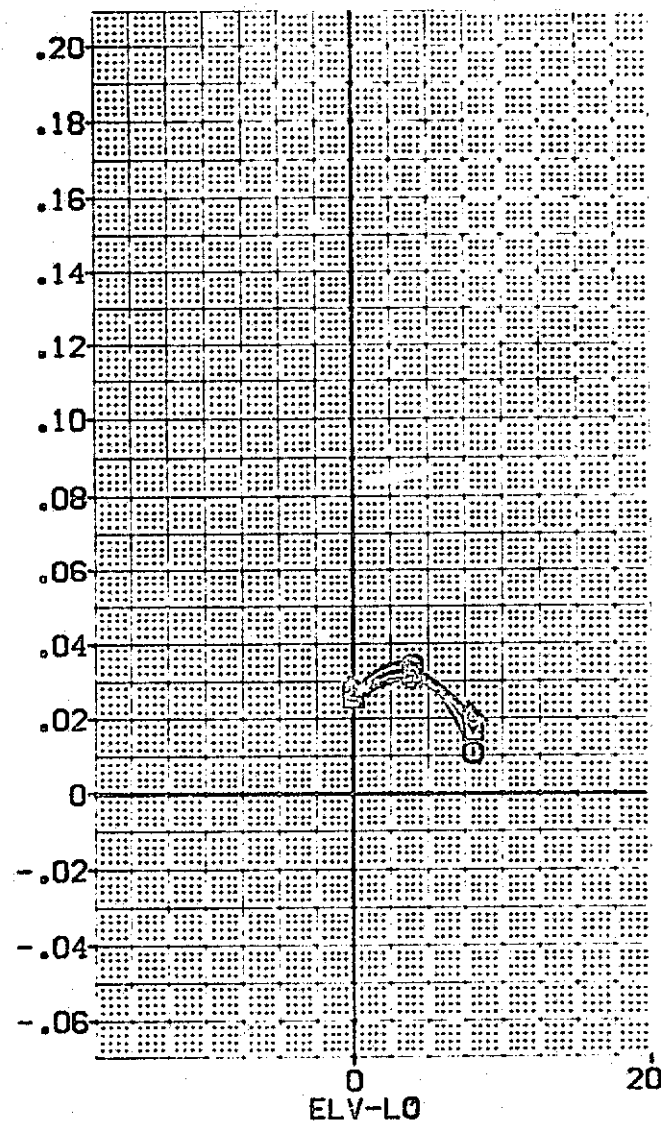
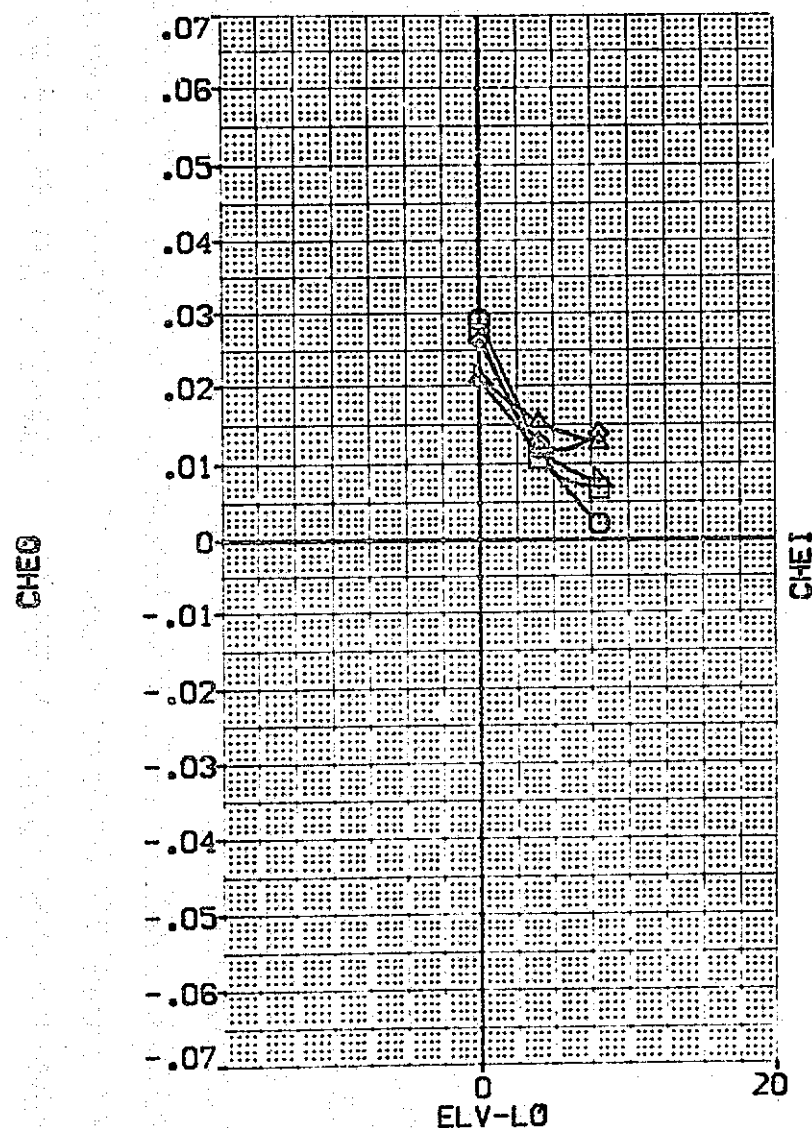


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

IA70 01T12S1P2P8

(AF7019)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	BETA	.000	DATASET	ELV-L0	DATASET	ELV-L0	SREF	2690.0000	SQ.FT.
○	2.000	4.000	ELV-LI	8.000	ELV-RI	8.000	AF7019	-8.000	AF7016	-4.000	474.8000	IN.
□	4.000	6.000	ELV-R0	-8.000	BFLAP	.000	AF7004	.000	AF7007	4.000	936.7000	IN.
◇	6.000	8.000				.000	AF7013	8.000			.0000	IN. XT
△											.0000	IN. YT
											.0000	IN. ZT
											.0150	SCALE

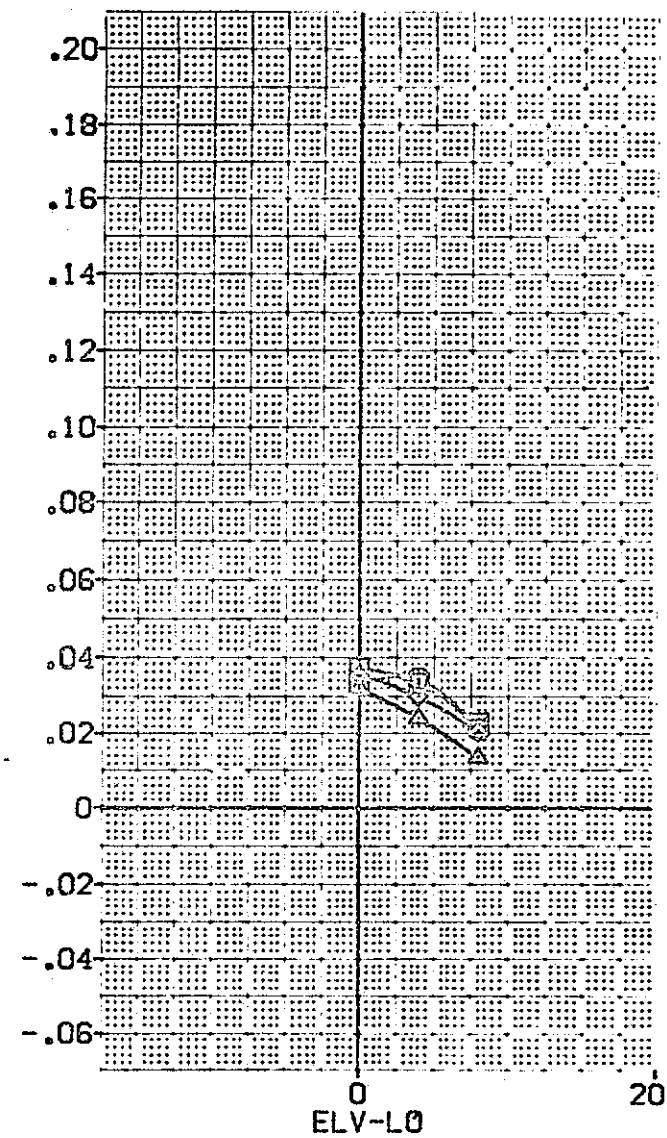
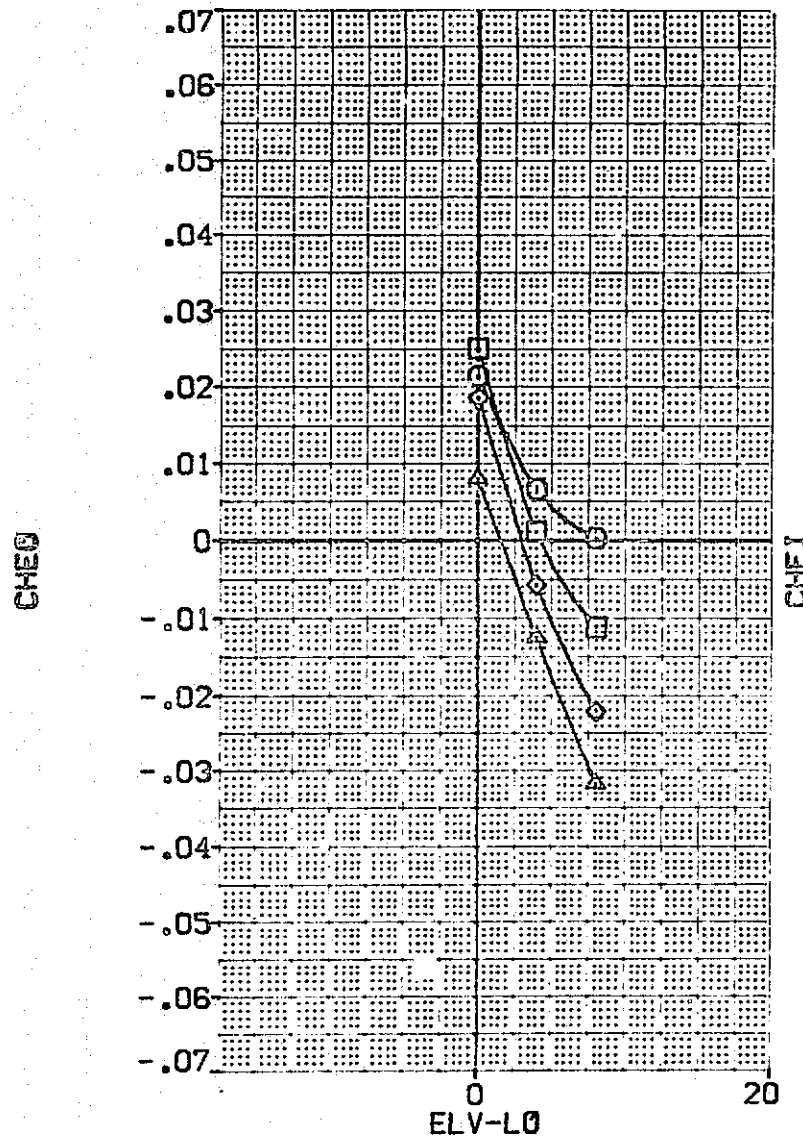


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

IA70 01T12S1P2P8

(AF7019)

SWEEP	ALPHA	MACH	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
○	-3.000	1.120	CETA	.000 DATASET	SREF 2650.0000 SQ.FT.
□	-6.000	8.000	ELV-RI	0.000 AF7019	LREF 474.6000 IN.
◇	-4.000	-3.000	BFLAP	.000 AF7004	BREF 933.7000 IN.
△	-2.000			8.000 AF7013	XMRP .0000 IN. XT
▽	.000				YMRP .0000 IN. YT
					ZMRP .0000 IN. ZT
					SCALE .0150

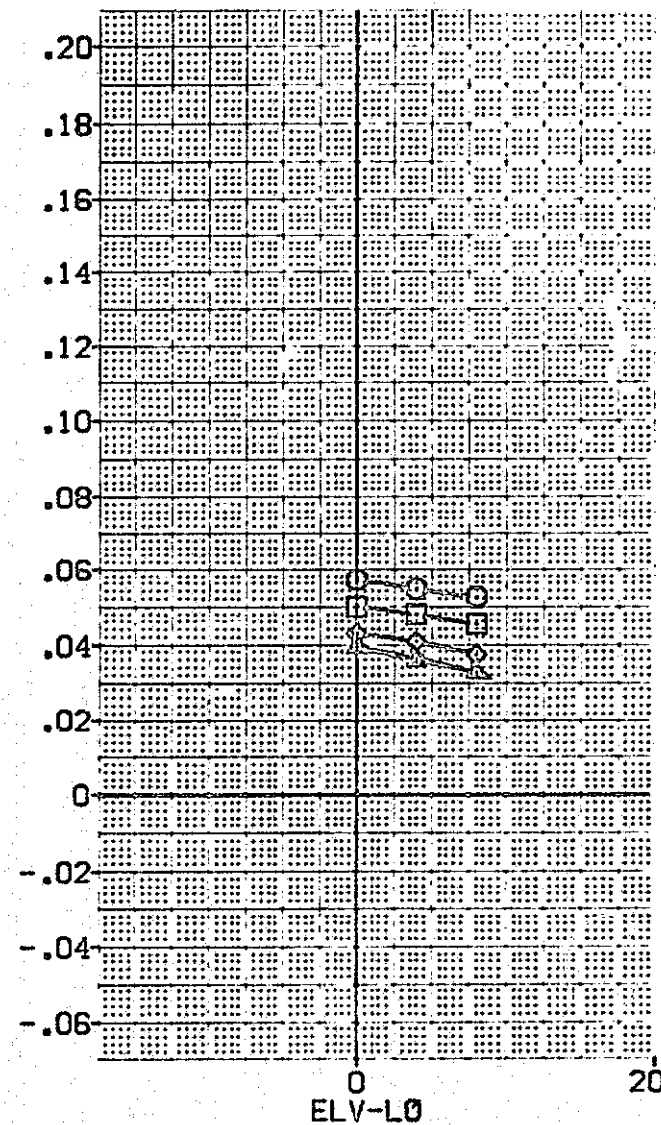
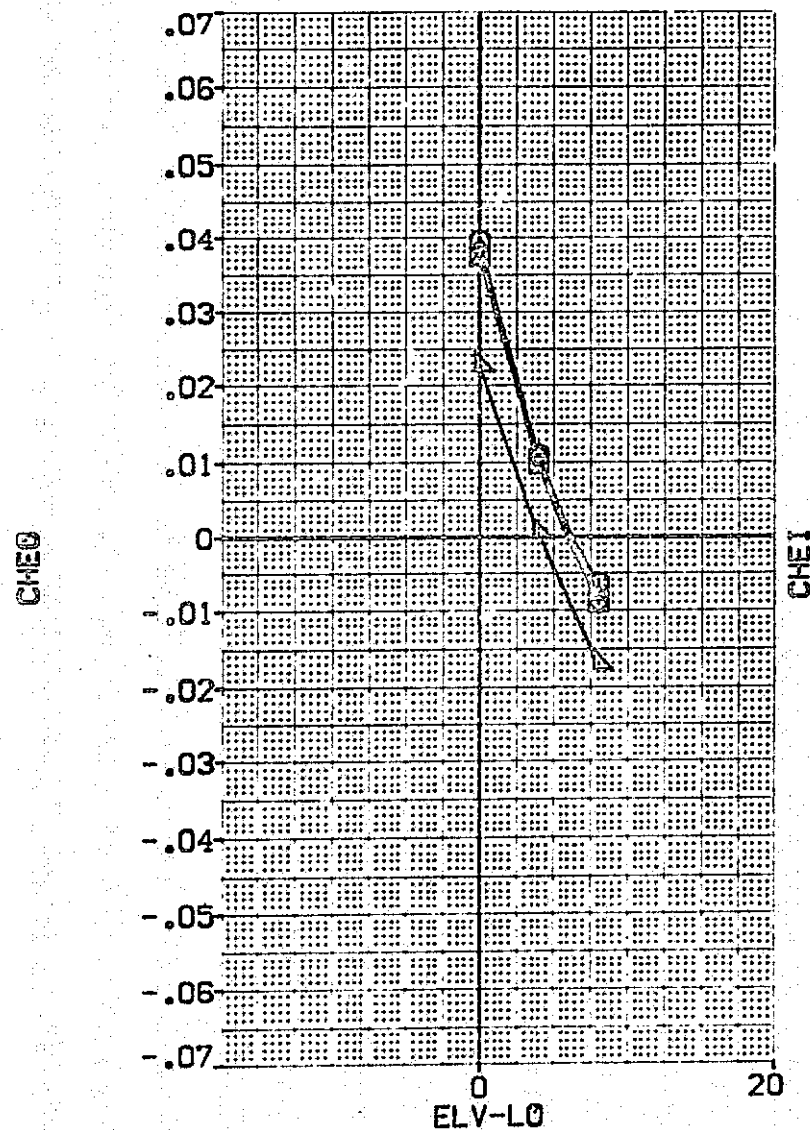


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

IA70 01T12S1P2P8

(AF7019)

SYMBOL	ALPHA	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
○	2.000	MACH 1.120 BETA	.000 DATASET	SREF 2690.0000 SQ.FT.
□	4.000	ELV-LI 8.000 ELV-RI	8.000 AF7019	LREF 474.8000 IN.
◇	6.000	ELV-R3 -8.000 BFLAP	.000 AF7004	BREF 936.7000 IN.
△	8.000		.000 AF7013	XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

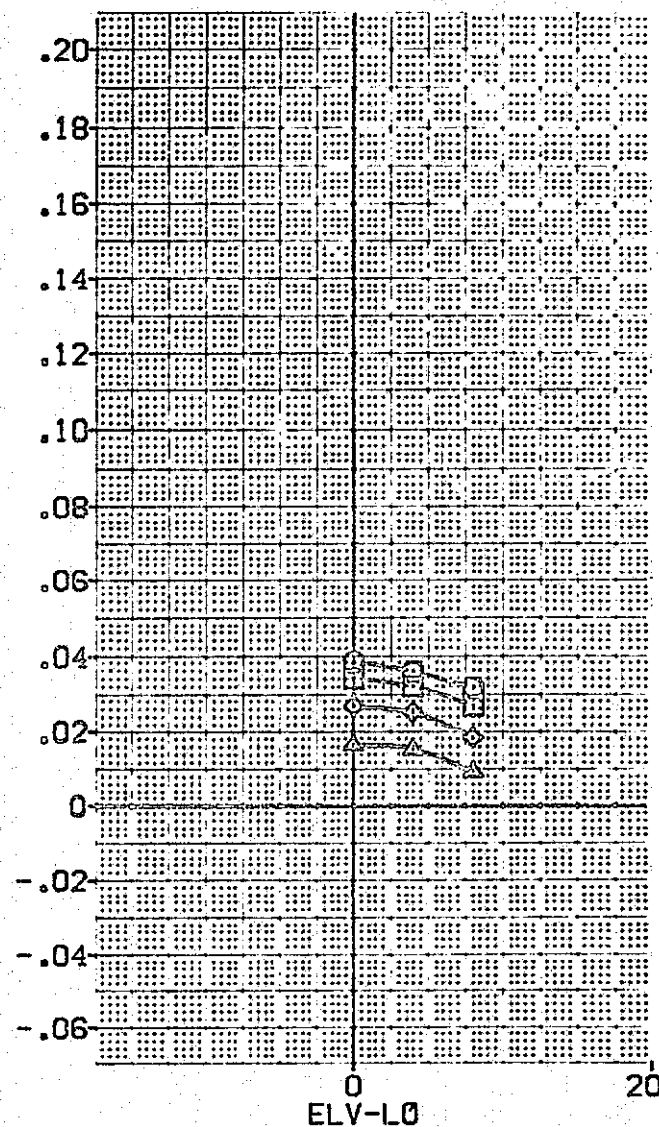
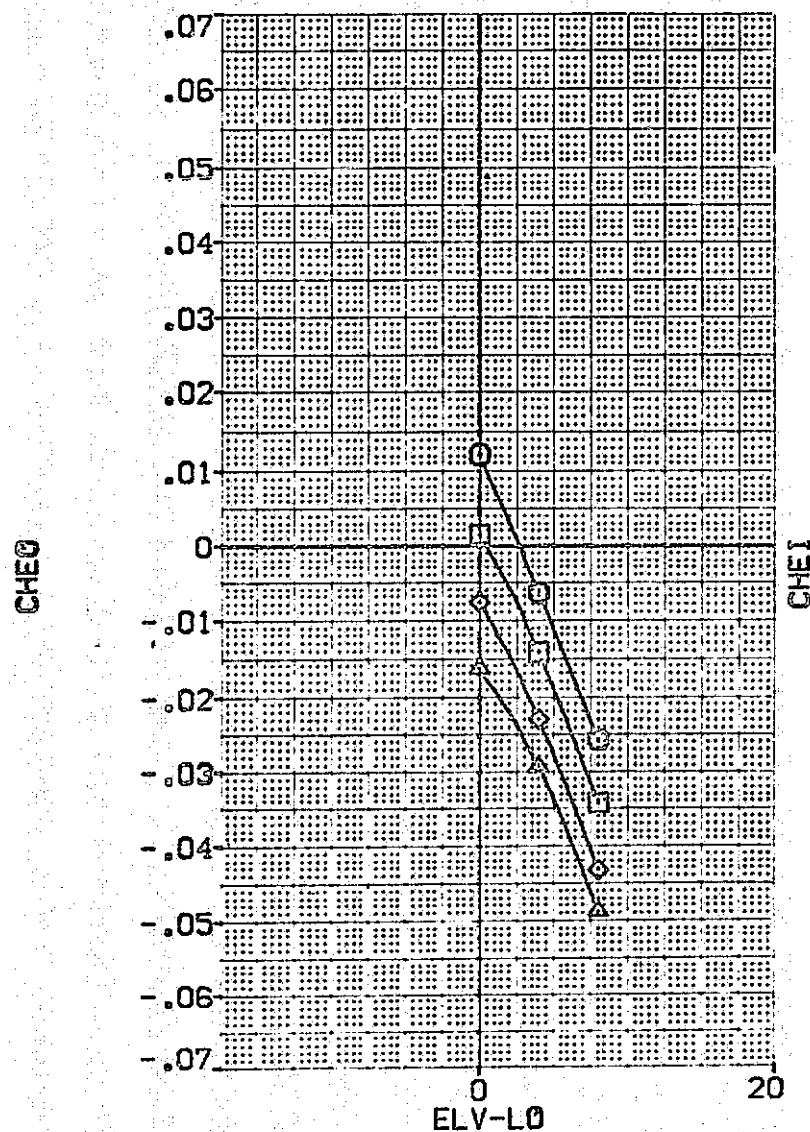


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

IA70 01T12S1P2P8

(AF7019)

OVAL

○
 □
 ◇
 △
 ▽

ALPHA

-0.000
 -5.000
 -4.000
 -2.000
 .000

MACH
 ELV-LI
 ELV-RO

PARAMETRIC VALUES

1.240 BETA
 0.000 ELV-RI
 -0.000 EFLAP

.000 DATASET
 0.000 AF7019
 .000 AF7004
 .000 AF7013

DATA SOURCE

ELV-L0
 -0.000
 .000
 0.000

DATASET
 AF7016
 AF7007

ELV-L0
 -4.000
 4.000

REFERENCE INFORMATION

SREF 2800.0000 SQ.FT.
 LREF 474.0000 IN.
 BREF 936.7000 IN.
 XMRP .0000 IN. XT
 YMRP .0000 IN. YT
 ZMRP .0000 IN. ZT
 SCALE .0150

CHEO

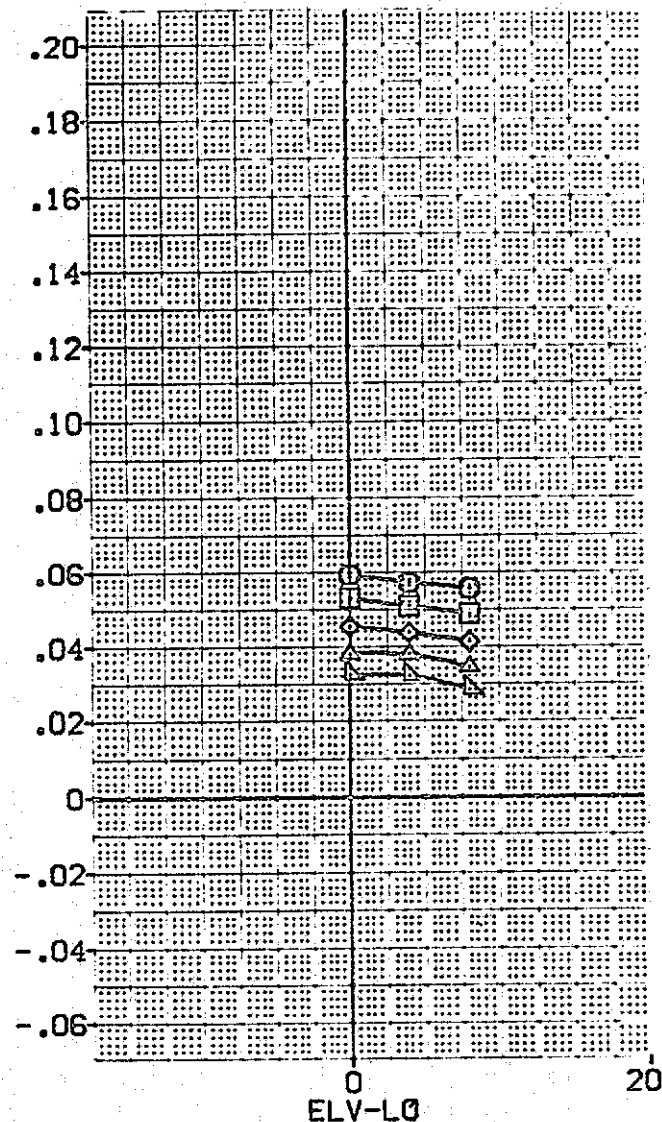
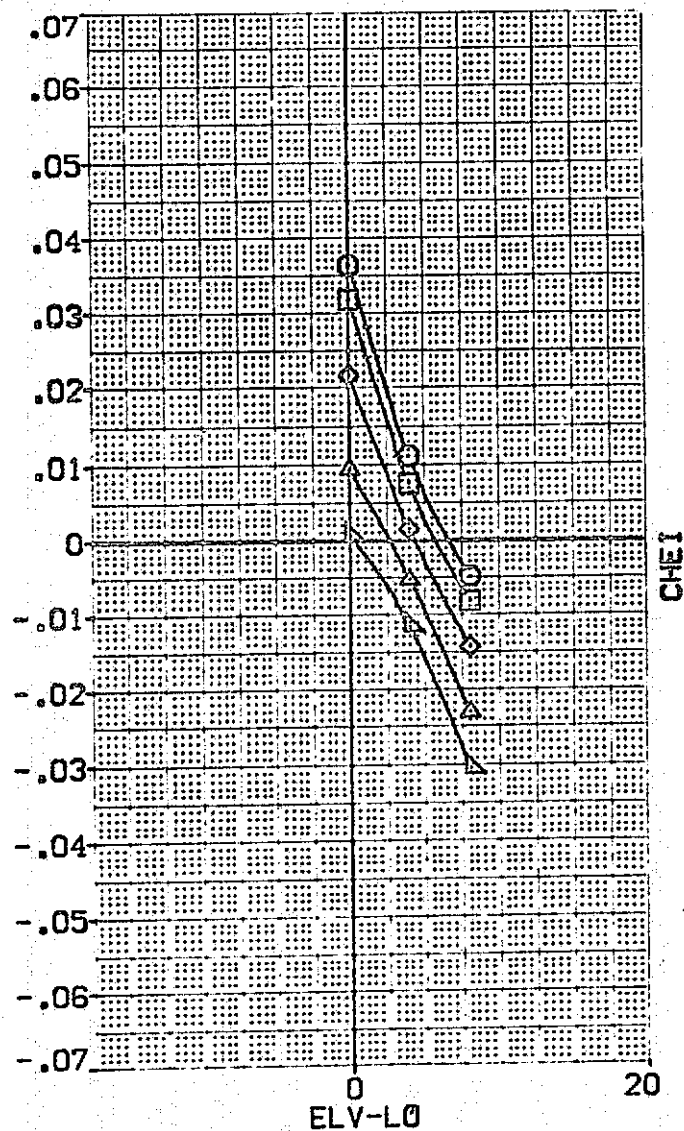


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

IA70 01T12S1P2P8

(AF7019)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	DATA SOURCE	ELV-L0	DATA SET	ELV-L0	REFERENCE INFORMATION	SQ.FT.
○	2.000		1.240 SETA	.000	AF7019	-8.000	-4.000	2690.0000	IN.
□	4.000	ELV-L1	8.000 ELV-R1	8.000	AF7016	.000	4.000	474.8000	IN.
◇	6.000	ELV-R3	-8.000 BFLAP	.000	AF7007			936.7000	IN.
△	8.000				AF7013			.0000	IN. XT
								.0000	IN. YT
								.0000	IN. ZT
								.0150	

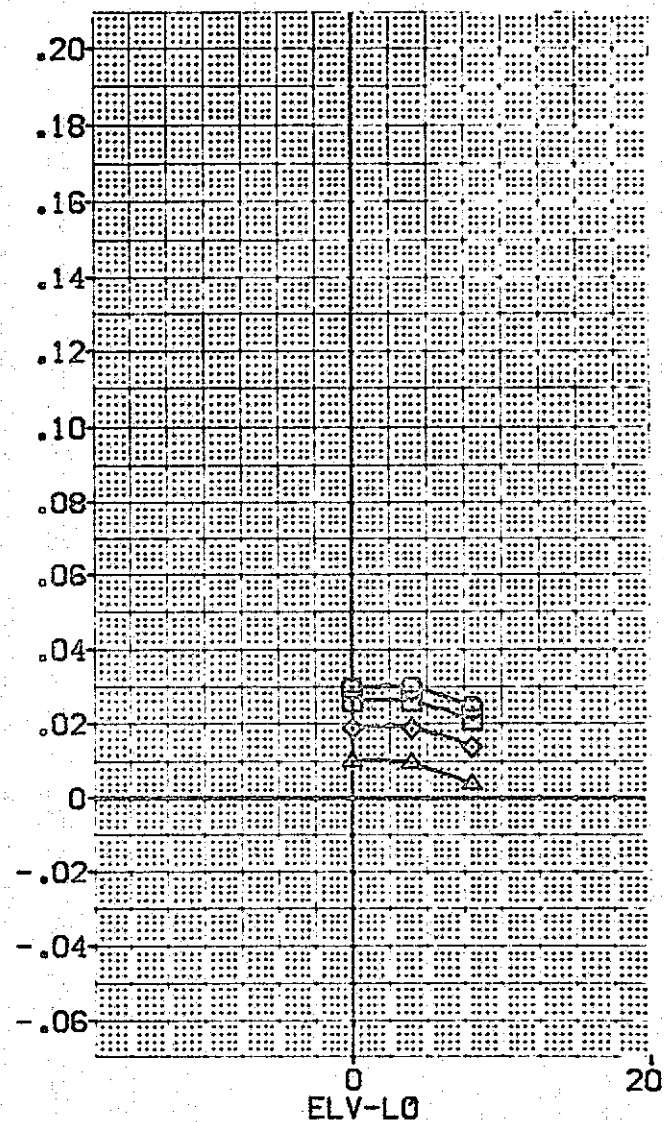
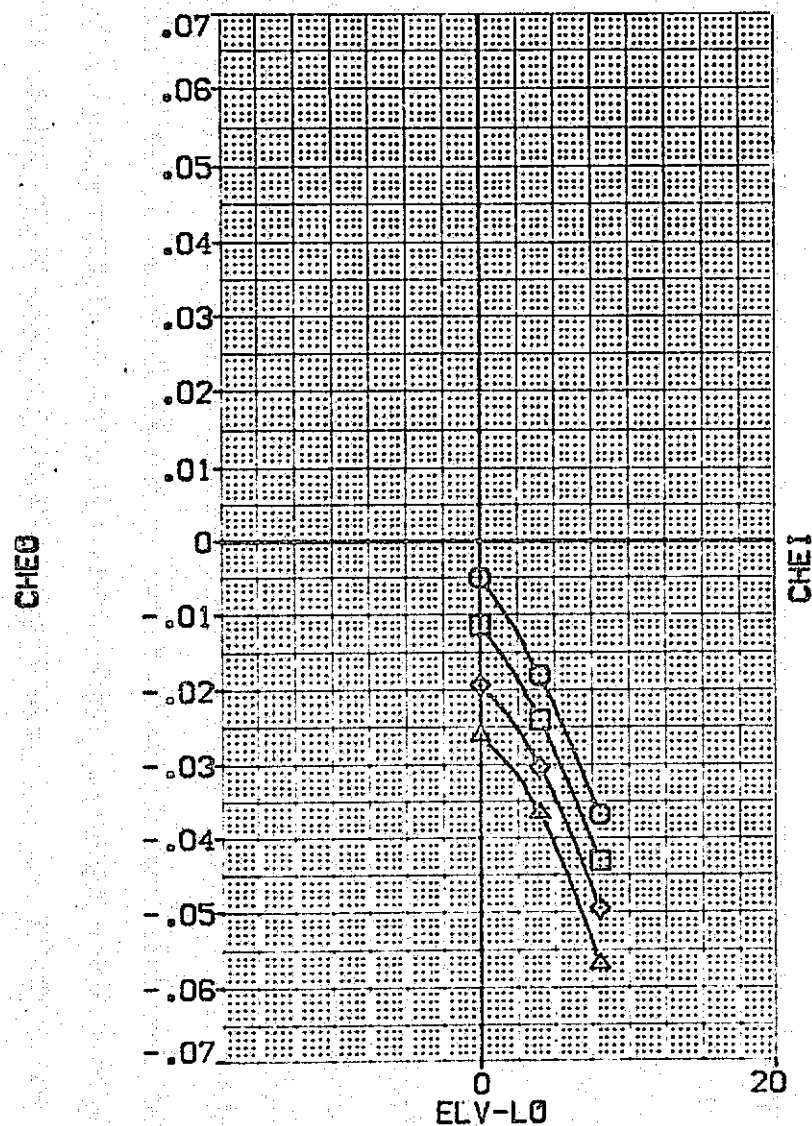


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

SWEEP
○
□
◇
△
▽

ALPHA

-3.000
-6.000
-4.000
-2.000
.000

NACH
ELV-LI
ELV-R3

PARAMETRIC VALUES

1.500 BETA
0.000 ELV-RI
-0.000 EFLAP

.000 DATASET
0.000 AF7019
.000 AF7004
0.000 AF7013

DATA SOURCE

ELV-L0
-0.000
.000
0.000

DATASET
AF7016
AF7007

ELV-L0
-4.000
4.000

SREF
LREF
BREF
XMRP
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2650.0000
474.8000
935.7000
.0000
.0000
.0000
.0000
.0150

50.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

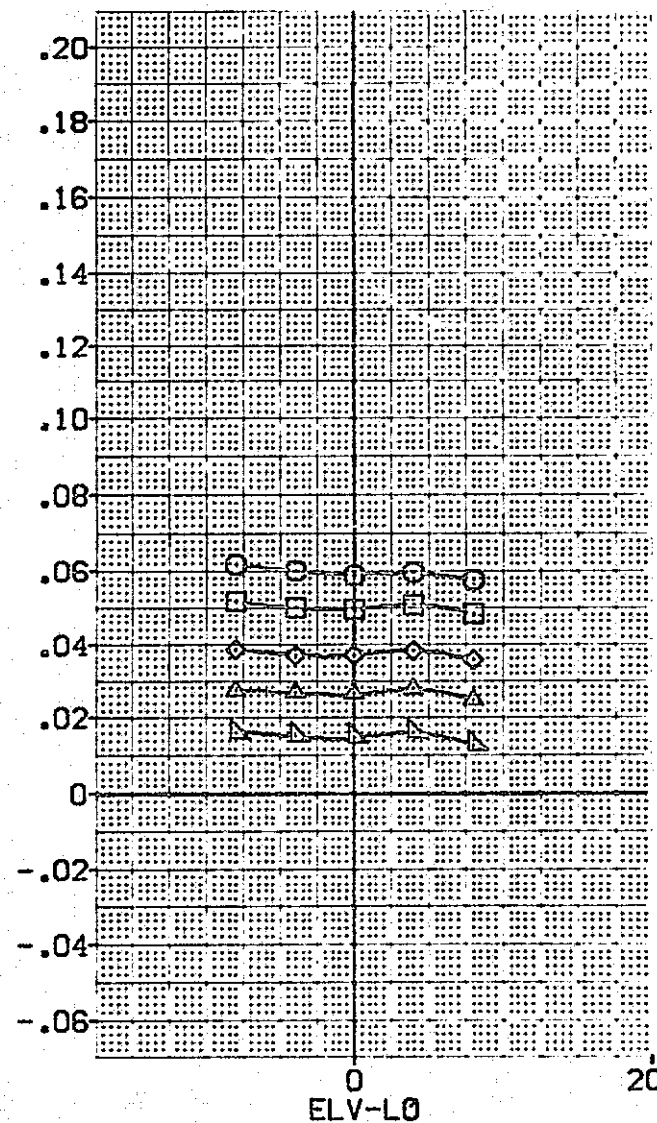
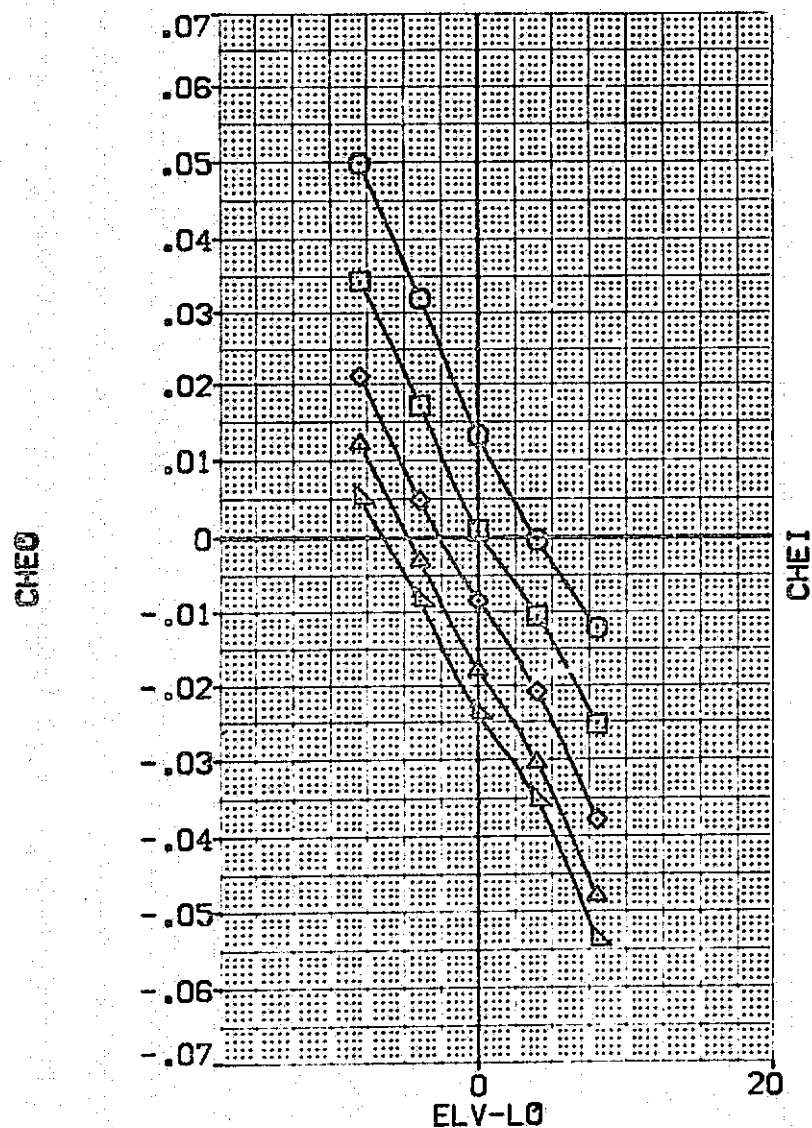


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

IA70 01T12S1P2P8

(AF7019)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION			
○	2.000	MACH	1.500	BETA	.000	DATASET	ELV-L0	DATASET	ELV-L0	SREF	2690.0000	SQ.FT.	
□	4.000	ELV-L1	8.000	ELV-R1	8.000	AF7019	-8.000	AF7016	-4.000	LREF	474.8000	IN.	
◇	6.000	ELV-R0	-8.000	BFLAP	.000	AF7004	.000	AF7007	4.000	BREF	936.7000	IN.	
△	8.000				.000	AF7013	8.000			YMRP	.0000	IN. XT	
										YMRP	.0000	IN. YT	
										ZMRP	.0000	IN. ZT	
										SCALE	.0150		

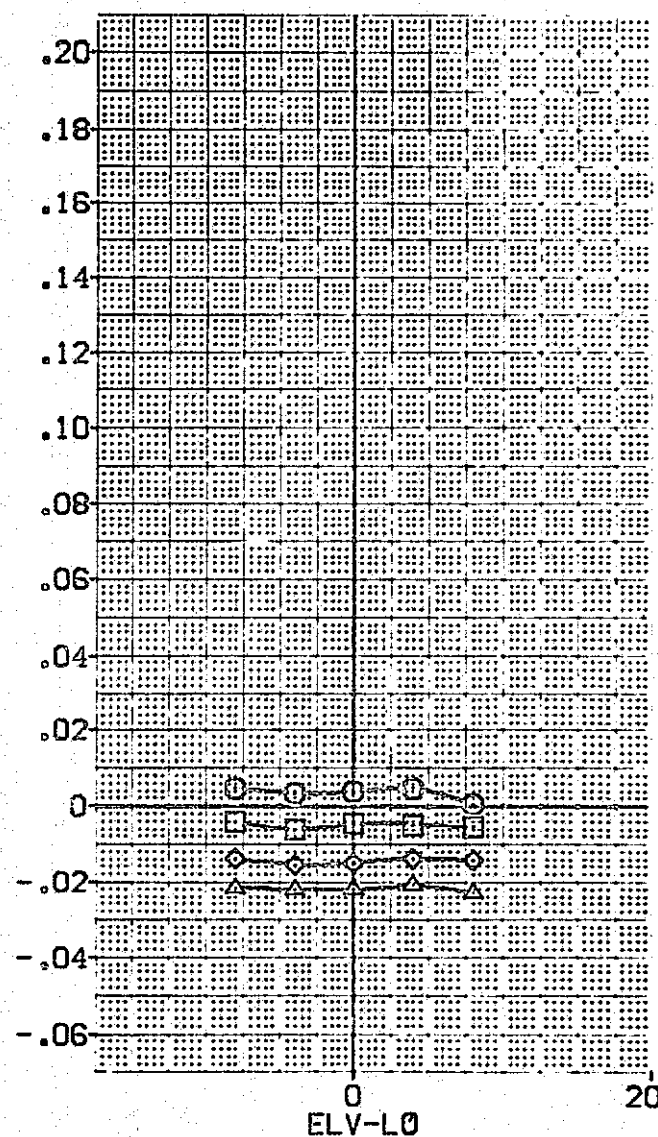
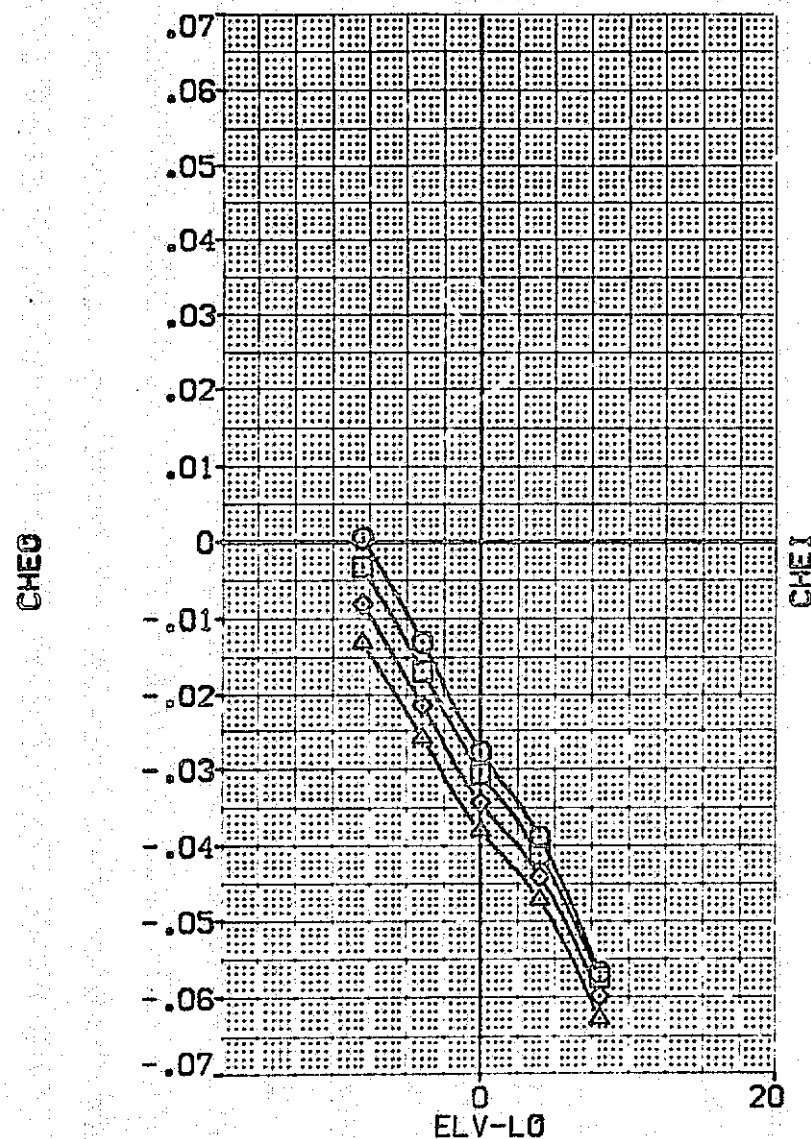


FIG 13 ELEVON EFFECTIVENESS, INBD ELEVON = 8

DATA SET OVERL Configuration Description

[AF7020] DATA NOT AVAILABLE
 [AF7015] DATA NOT AVAILABLE
 [AF7005] 1A70 01T12SIPZ-8
 [AF7005] 1A70 01T12SIPZ-9
 [AF7014] 1A70 01T12SIPZ-9

ELV-L1	ELV-L2	EFLAP	BETA	REFERENCE INFORMATION		
12.000	-0.000	.000	.000	SREF	2690.0000	50.FT.
12.000	-4.000	.000	.000	LREF	474.8000	IN.
12.000	.000	.000	.000	BREF	335.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
12.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

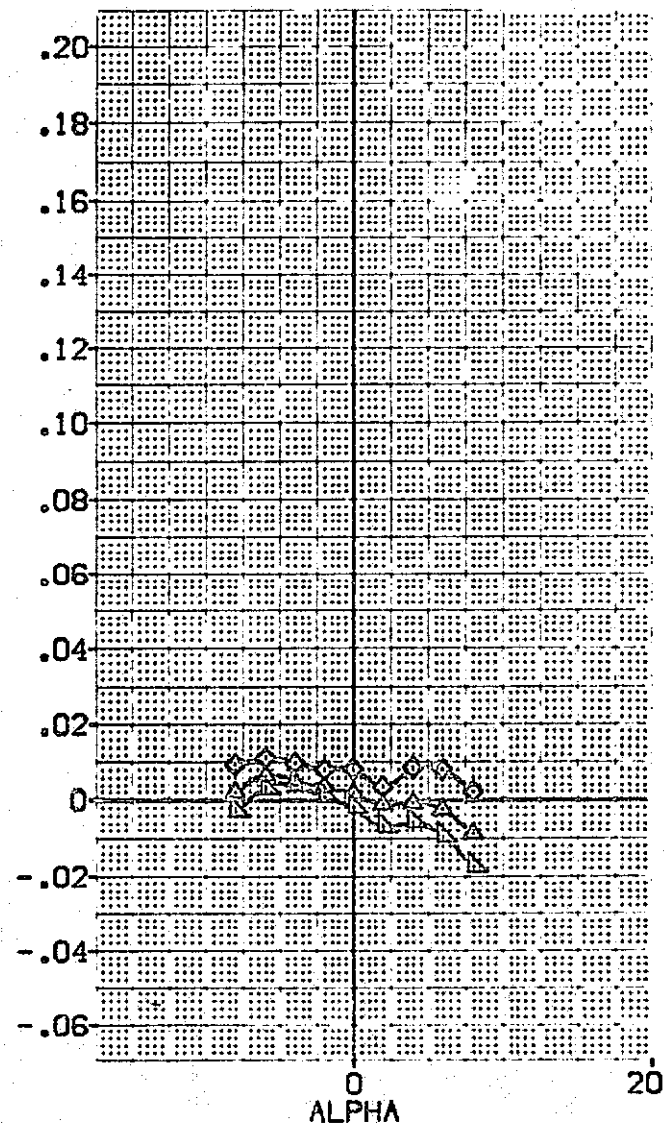
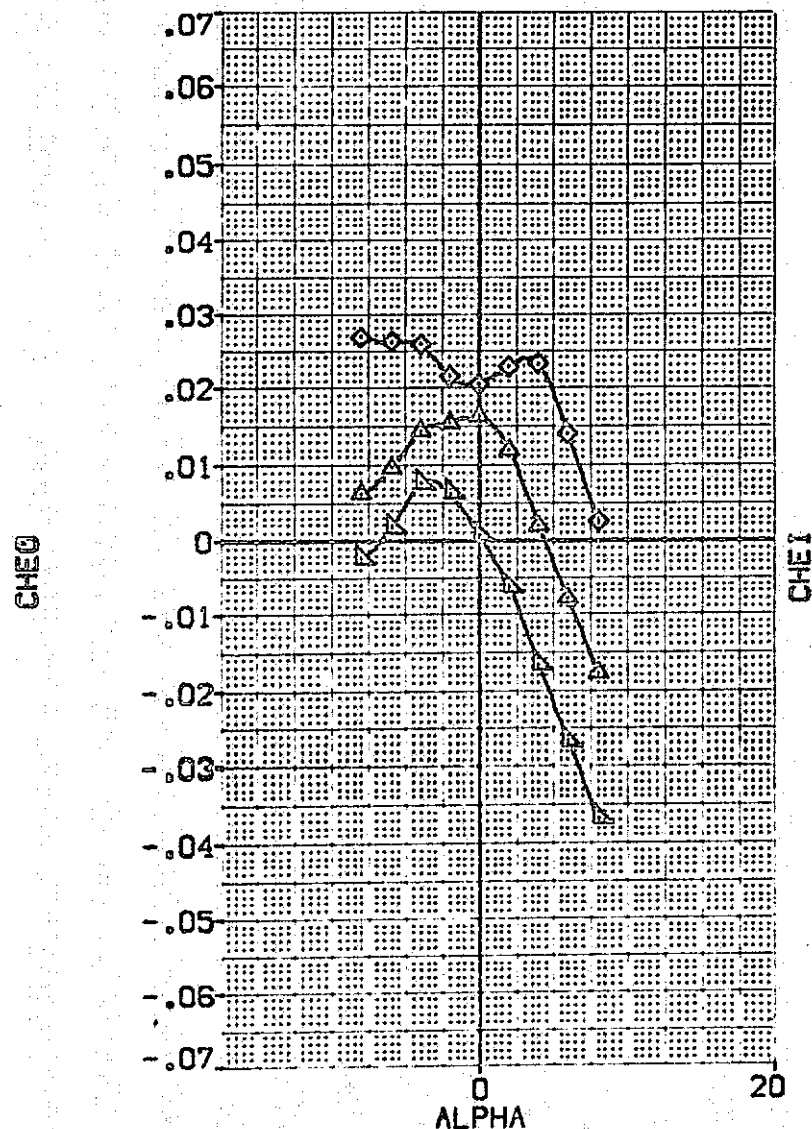


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
 (A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7020] ○ DATA NOT AVAILABLE
 [AF7015] □ DATA NOT AVAILABLE
 [AF7005] ◇ 1A70 01T12S1P2P8
 [AF7006] △ 1A70 01T12S1P2P8
 [AF7014] ▽ 1A70 01T12S1P2P8

ELV-L1	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION	
12.000	-8.000	.000	.000	SREF	2690.0000 SQ.FT.
12.000	-4.000	.000	.000	LREF	474.8000 IN.
12.000	.000	.000	.000	BREF	935.7000 IN.
12.000	4.000	.000	.000	XMRP	.0000 IN. XT
12.000	8.000	.000	.000	YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

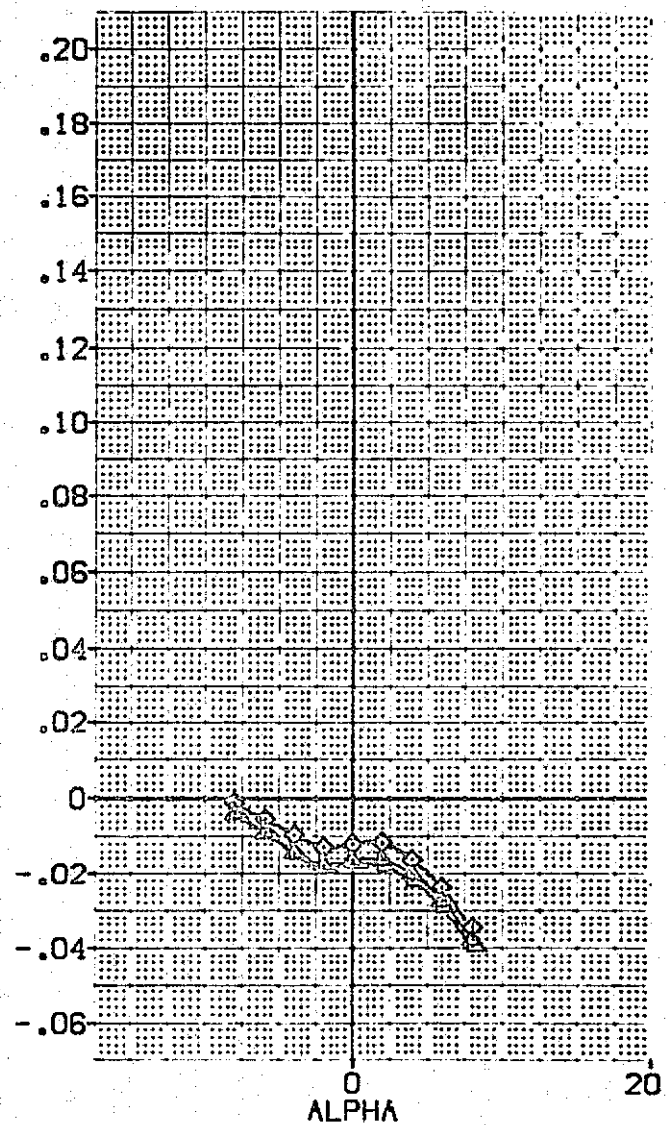
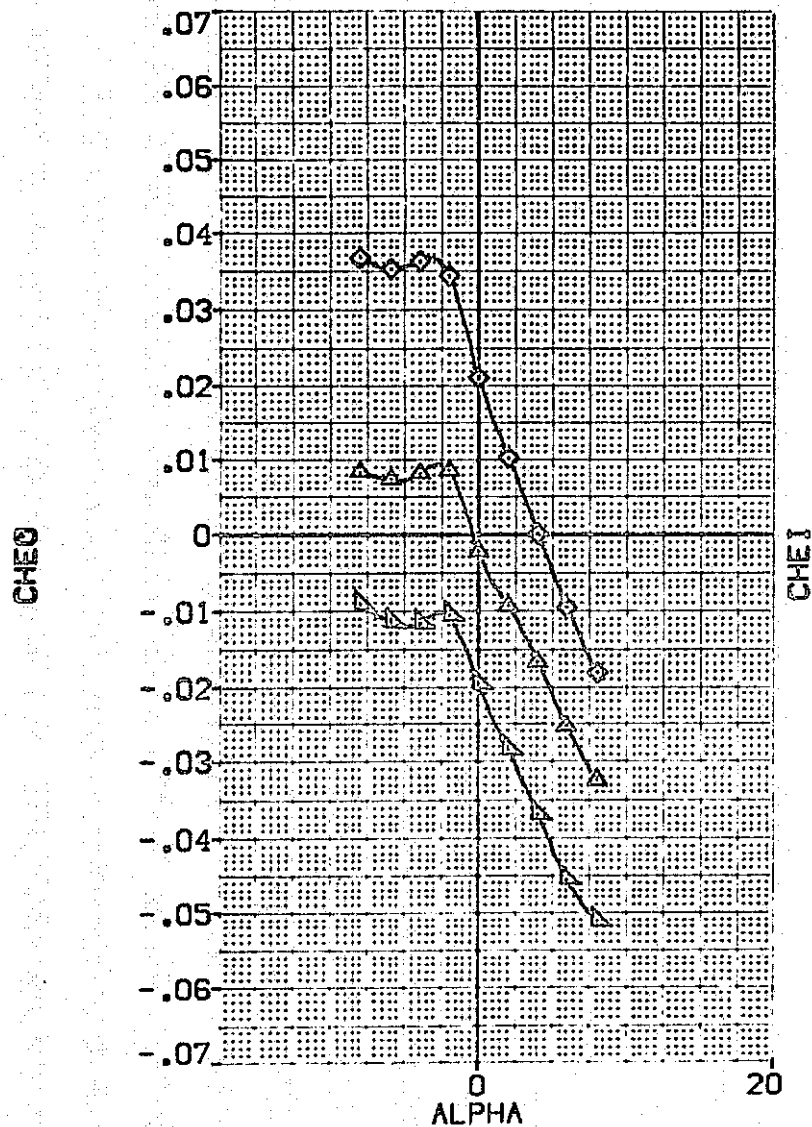


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7020]	○	DATA NOT AVAILABLE
[AF7015]	□	DATA NOT AVAILABLE
[AF7003]	◇	1A70 01T12S1P2F3
[AF7005]	△	1A70 01T12S1P2F3
[AF7014]	▽	1A70 01T12S1P2F3

ELV-L1	ELV-L9	EPLAP	BETA	REFERENCE INFORMATION		
12.000	-0.000	.000	.000	SREF	2650.0000	50.FT.
12.000	-4.000	.000	.000	LREF	474.0000	IN.
12.000	.000	.000	.000	BREF	935.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
12.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

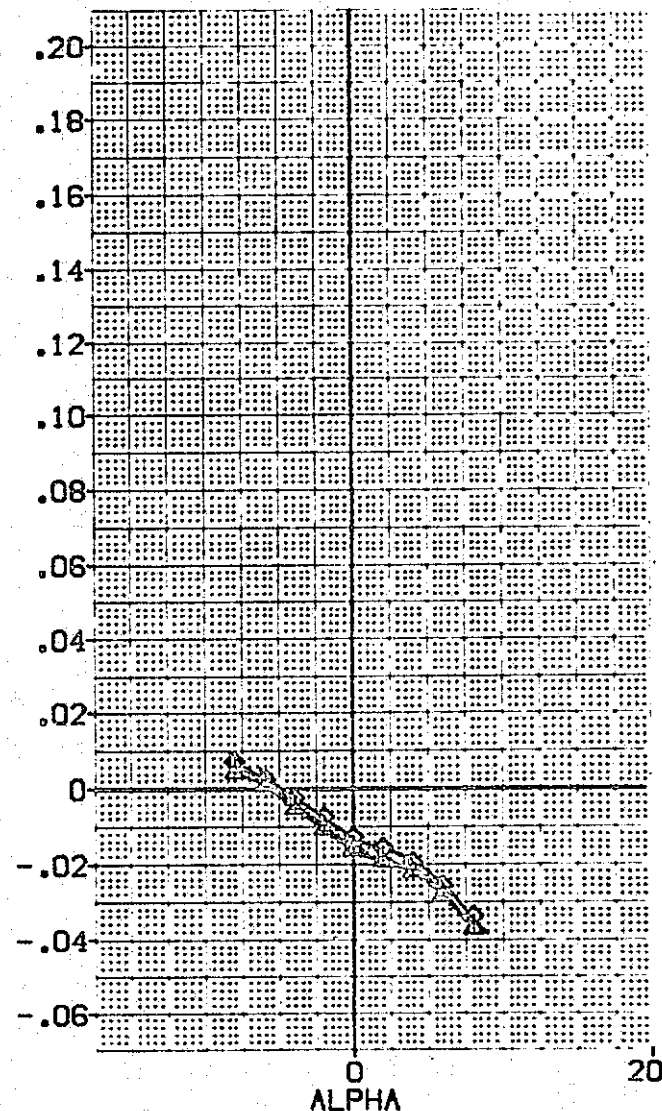
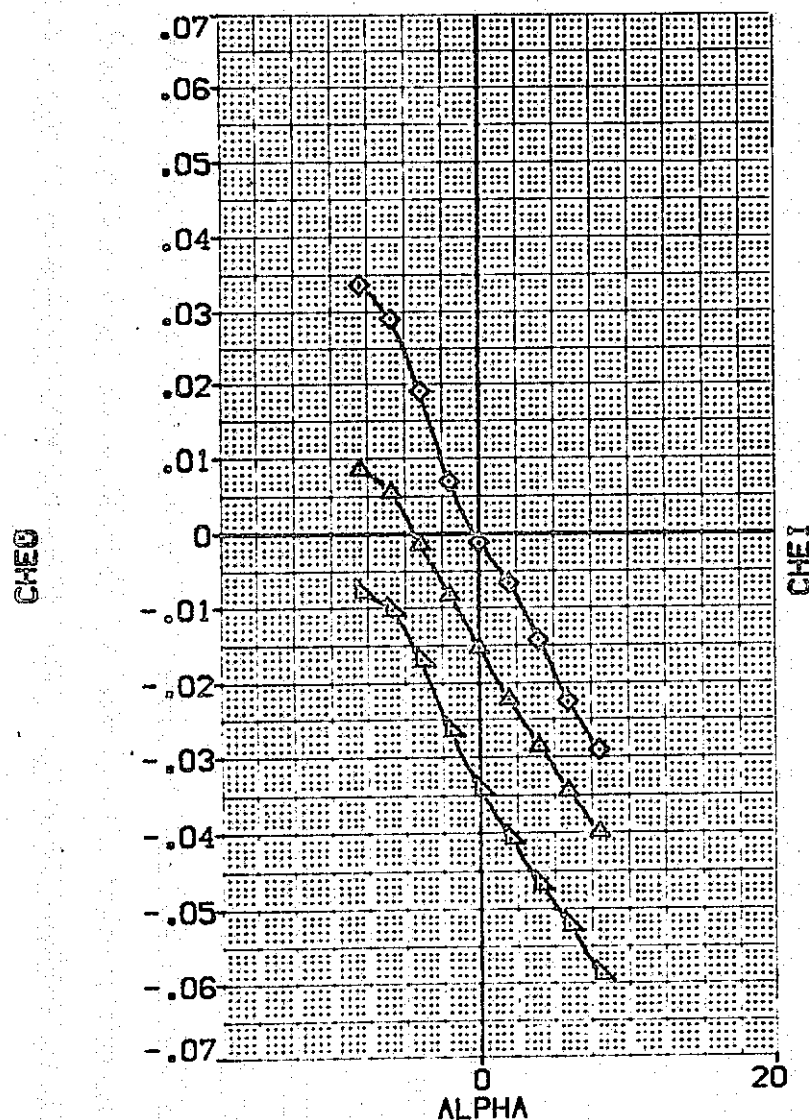


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7020]	1A70 01T12SIP2P8
[AF7015]	1A70 01T12SIP2P8
[AF7005]	1A70 01T12SIP2P8
[AF7006]	1A70 01T12SIP2P8
[AF7014]	DATA NOT AVAILABLE

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION
12.000	-8.000	.000	.000	SREF 2690.0000 SQ.FT.
12.000	-4.000	.000	.000	LREF 474.8000 IN.
12.000	.000	.000	.000	BREF 936.7000 IN.
12.000	4.000	.000	.000	XMRP .0000 IN. XT
12.000	8.000	.000	.000	YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

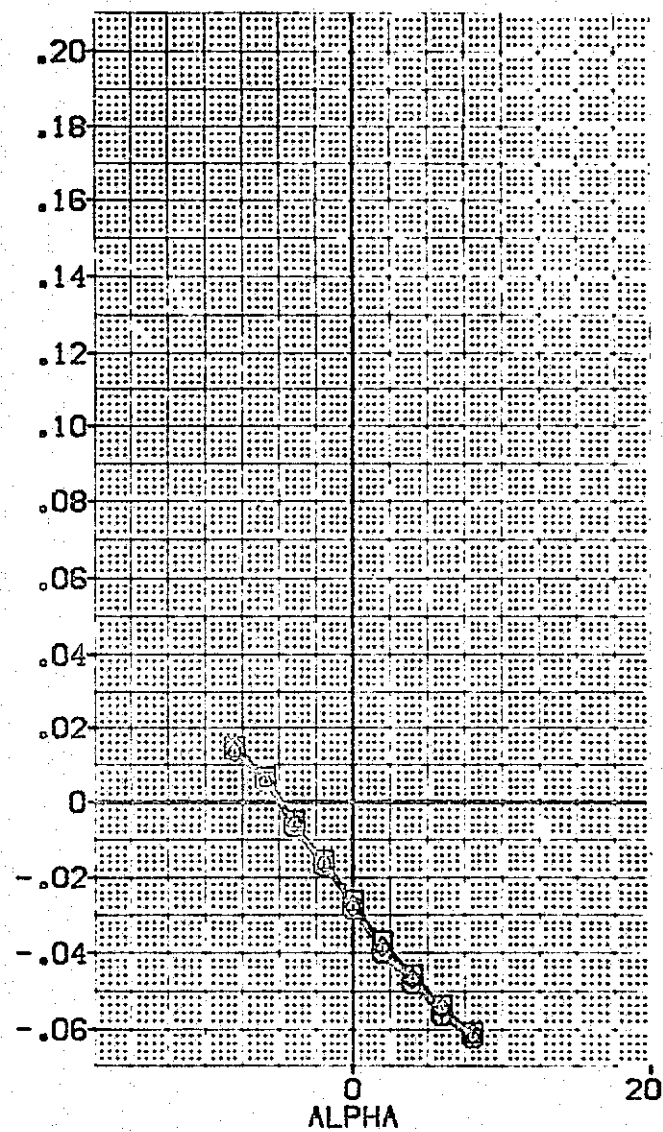
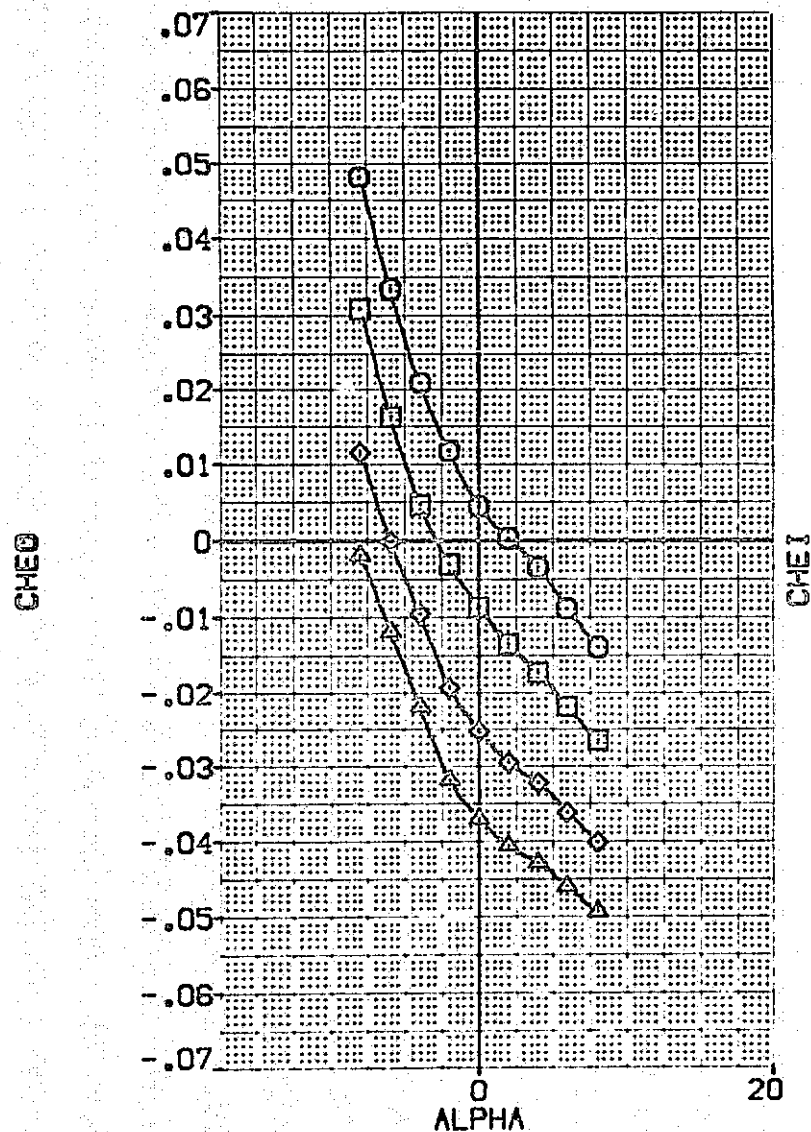


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7020]	DATA NOT AVAILABLE
[AF7015]	DATA NOT AVAILABLE
[AF7005]	IA70 01T12SIP2P3
[AF7003]	IA70 01T12SIP2P3
[AF7014]	IA70 01T12SIP2P3

SLV-LI	SLV-L0	SLAP	BETA	REFERENCE INFORMATION
12.000	-3.000	.000	.000	SREF 2650.0000 IN. FT.
12.000	-4.000	.000	.000	LREF 474.6000 IN.
12.000	.000	.000	.000	BREF 535.7000 IN.
12.000	4.000	.000	.000	XMRP .0000 IN. XT
12.000	6.000	.000	.000	YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

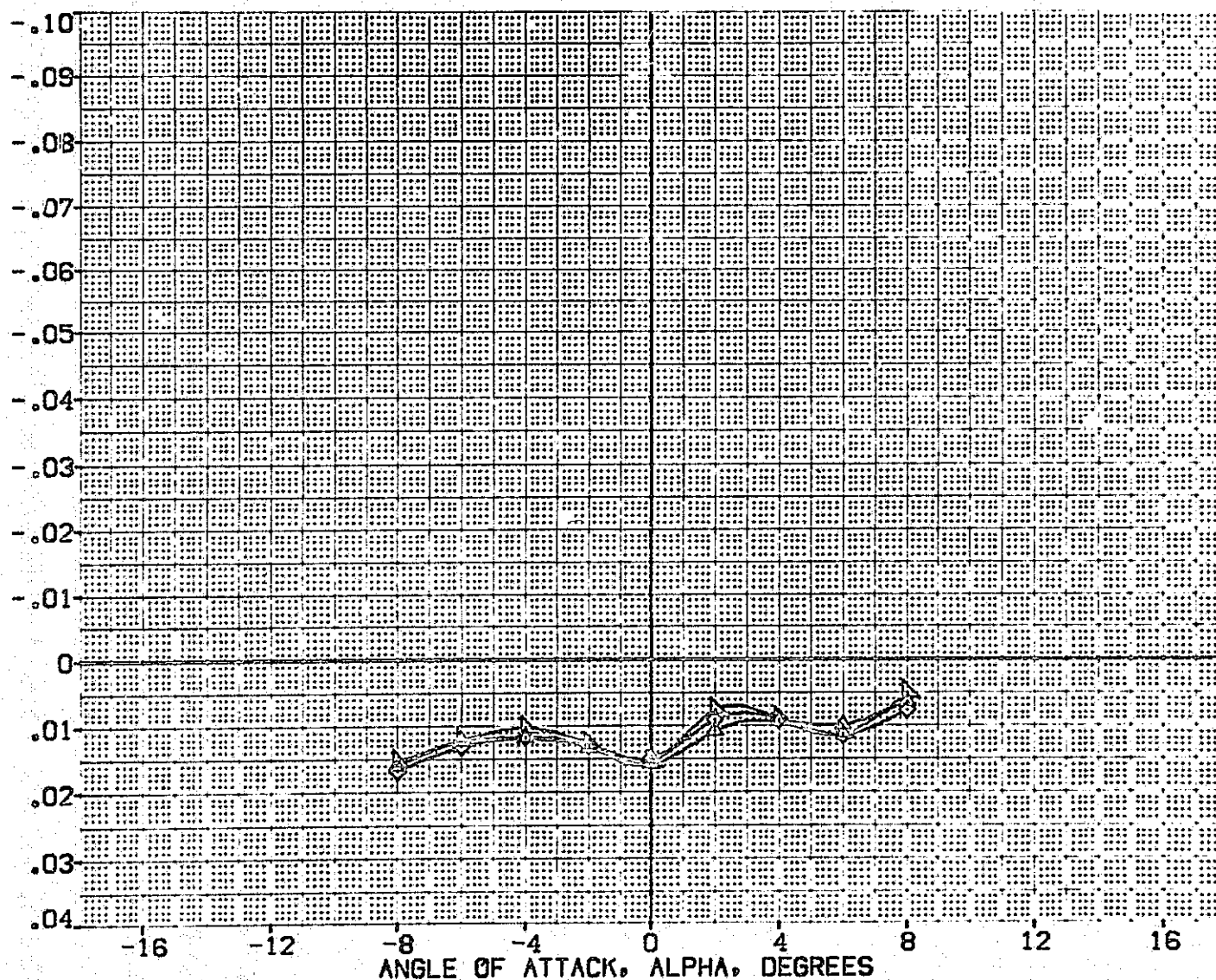


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7020] DATA NOT AVAILABLE
 [AF7015] DATA NOT AVAILABLE
 [AF7005] IA70 01T125IP2P8
 [AF7006] IA70 01T125IP2P8
 [AF7014] IA70 01T125IP2P8

ELV-L1	ELV-L0	DFLAP	BETA	REFERENCE INFORMATION		
12.000	-8.000	.000	.000	SREF	2690.0000	SQ.FT.
12.000	-4.000	.000	.000	LREF	474.8000	IN.
12.000	.000	.000	.000	BREF	936.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
12.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

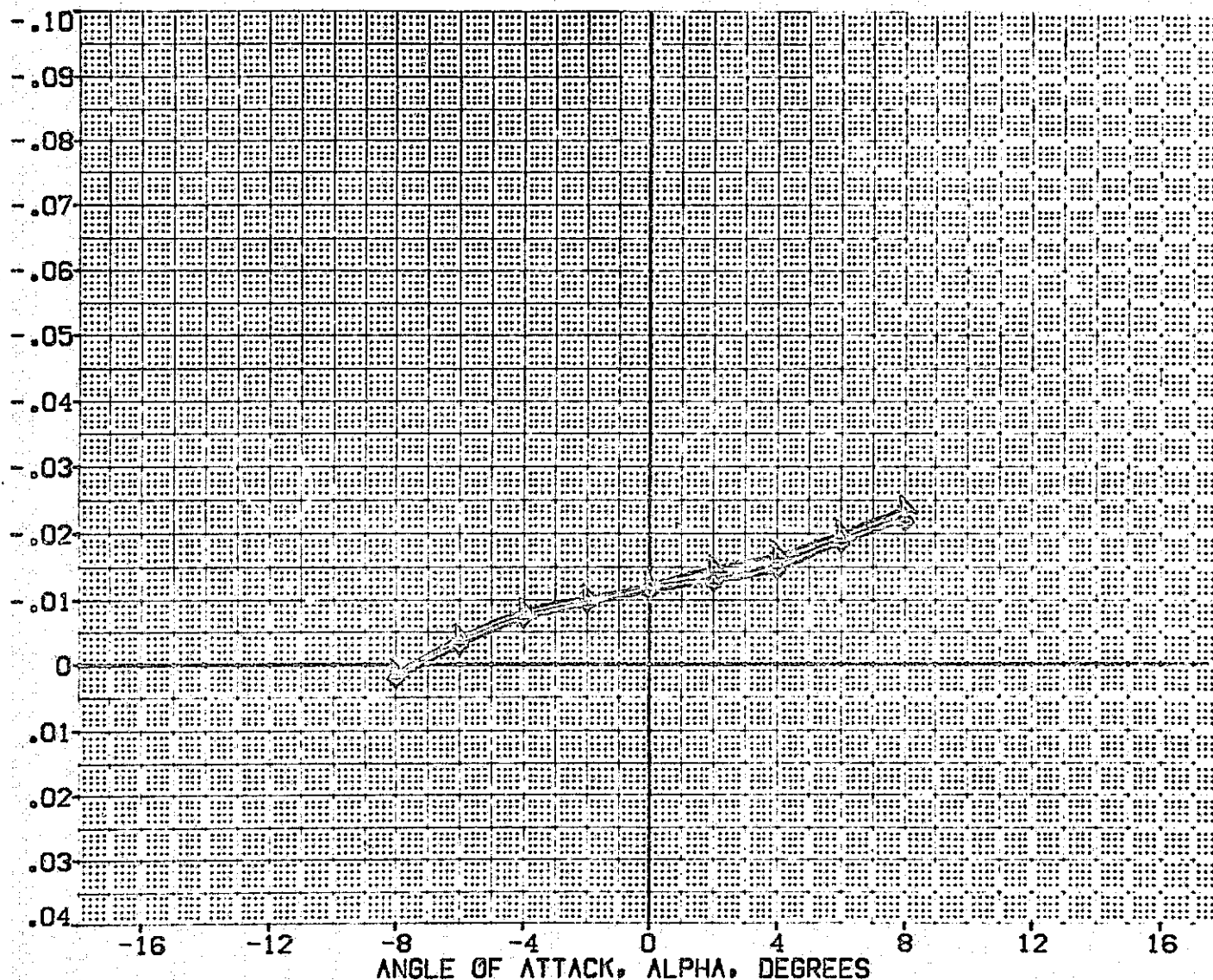


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
 (B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7020]	DATA NOT AVAILABLE
[AF7015]	DATA NOT AVAILABLE
[AF7005]	IA70 0112SIF2F3
[AF7005]	IA70 0112SIF2F3
[AF7014]	IA70 0112SIF2F3

ELV-L1	ELV-L2	CLAP	CETA	REFERENCE INFORMATION
12.000	-0.000	.000	.000	CRFP 1020.0000 50.FT.
12.000	-4.000	.000	.000	LRFP 474.6000 IN.
12.000	.000	.000	.000	SRFP 505.7000 IN.
12.000	4.000	.000	.000	XRFP .0000 IN. XT
12.000	8.000	.000	.000	YRFP .0000 IN. YT
				ZRFP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CMFP

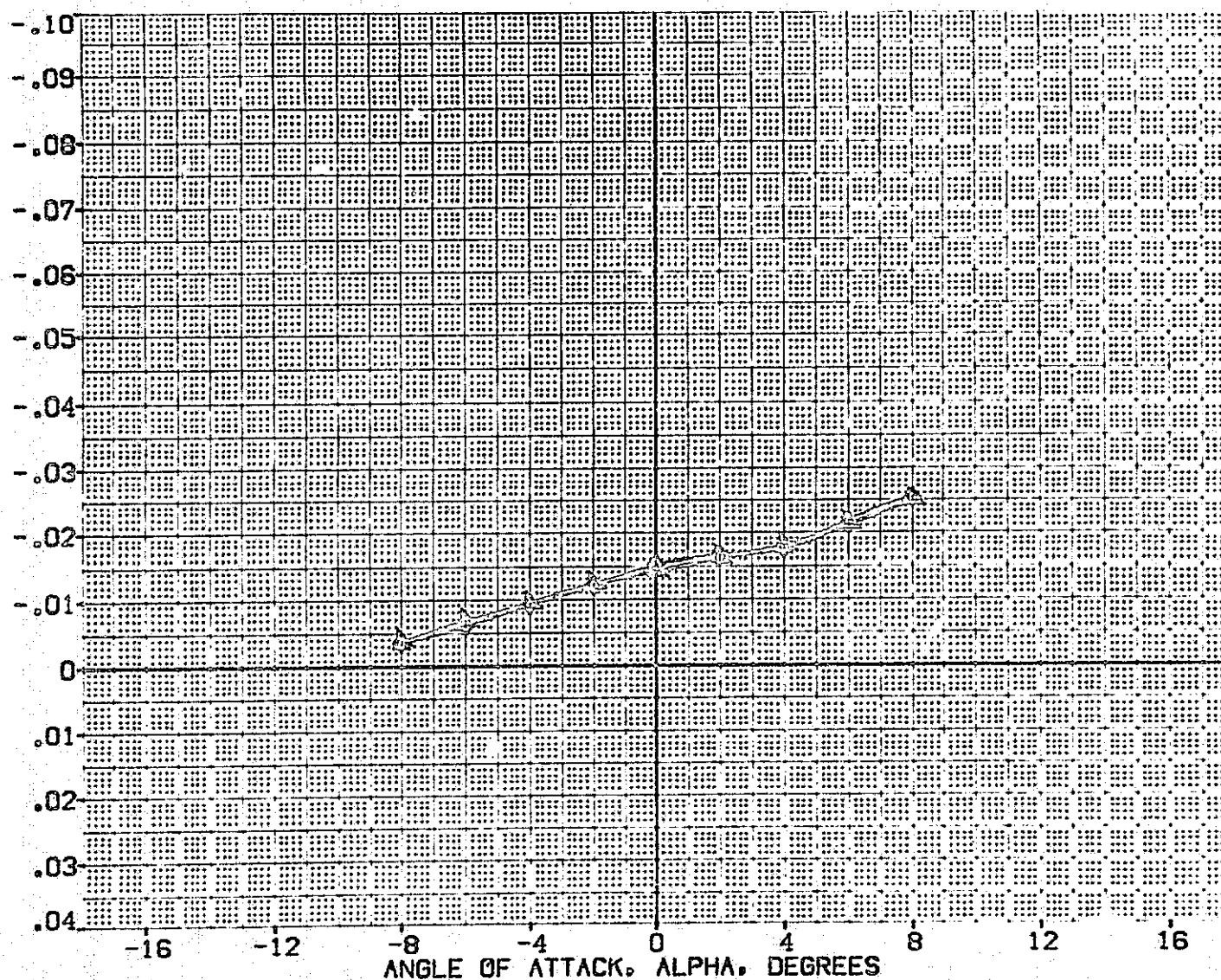


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7020]	IA70 01T12SIP2P8
[AF7015]	IA70 01T12SIP2P8
[AF7005]	IA70 01T12SIP2P8
[AF7006]	IA70 01T12SIP2P8
[AF7014]	DATA NOT AVAILABLE

ELV-L1	ELV-L0	SFLAP	BETA	REFERENCE INFORMATION		
12.000	-2.000	.000	.000	SREF	2690.00	SQ.FT.
12.000	-4.000	.000	.000	LREF	474.8000	IN.
12.000	.000	.000	.000	BREF	936.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
12.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

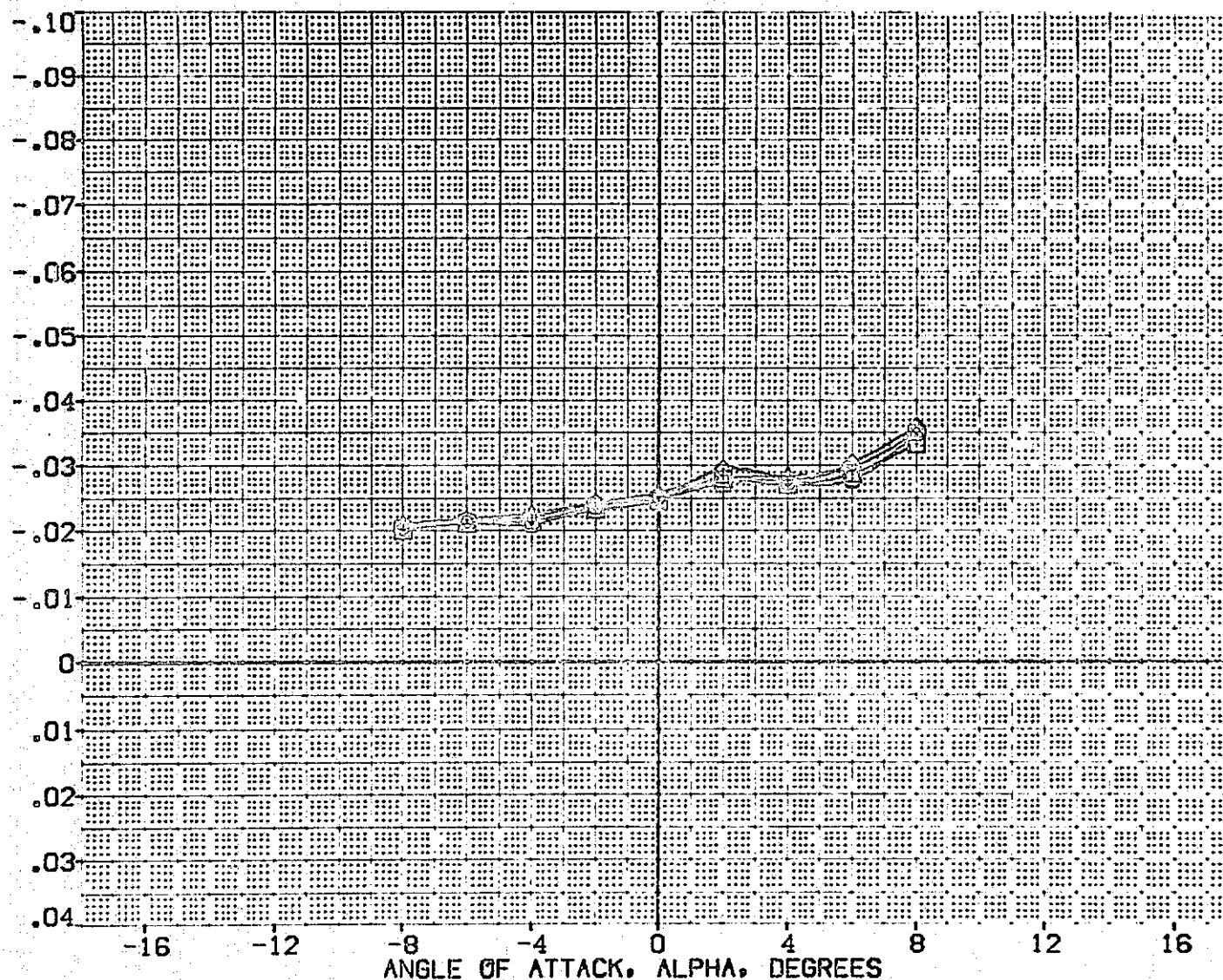


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

(D)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7020]	DATA NOT AVAILABLE
[AF7015]	DATA NOT AVAILABLE
[AF7005]	1A70 0111251P2F3
[AF7006]	1A70 0111251P2F3
[AF7014]	1A70 0111251P2F3

ELV-L1	ELV-L0	ELAP	EETA	REFERENCE INFORMATION	
12.000	-3.000	.000	.000	SREF	2650.0000 SQ.FT.
12.000	-4.000	.000	.000	LREF	474.8000 IN.
12.000	.000	.000	.000	BREF	935.7000 IN.
12.000	4.000	.000	.000	XMRP	.0000 IN. XT
12.000	8.000	.000	.000	YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

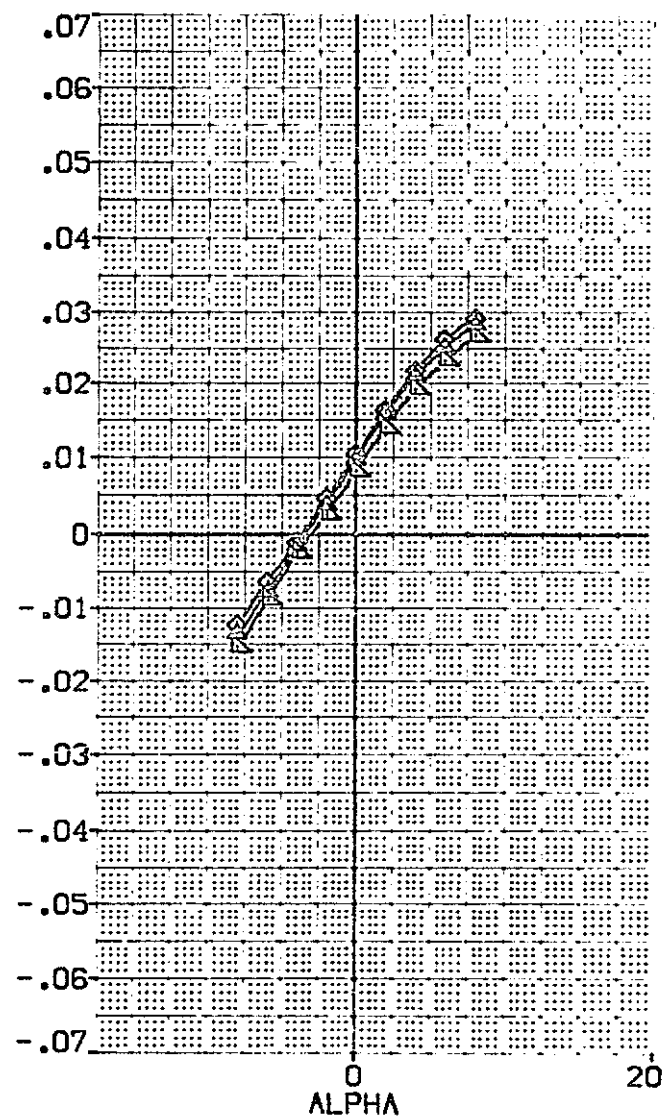
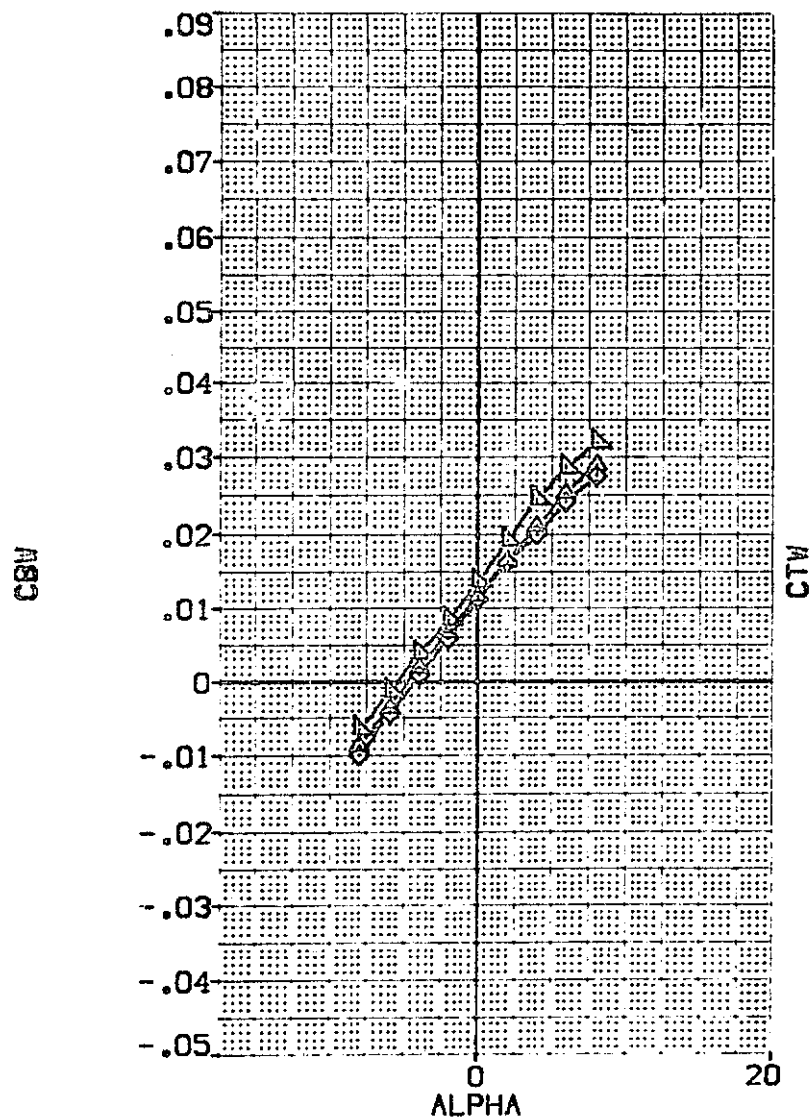


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7D20}	DATA NOT AVAILABLE
{AF7D15}	DATA NOT AVAILABLE
{AF7D05}	IA70 01T125IP2P8
{AF7D06}	IA70 01T125IP2P8
{AF7D14}	IA70 01T125IP2P8

ELV-L:	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION		
12.000	-8.000	.000	.000	SREF	2690.0000	SQ.FT.
12.000	-4.000	.000	.000	LREF	474.8000	IN.
12.000	.000	.000	.000	BREF	936.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
12.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

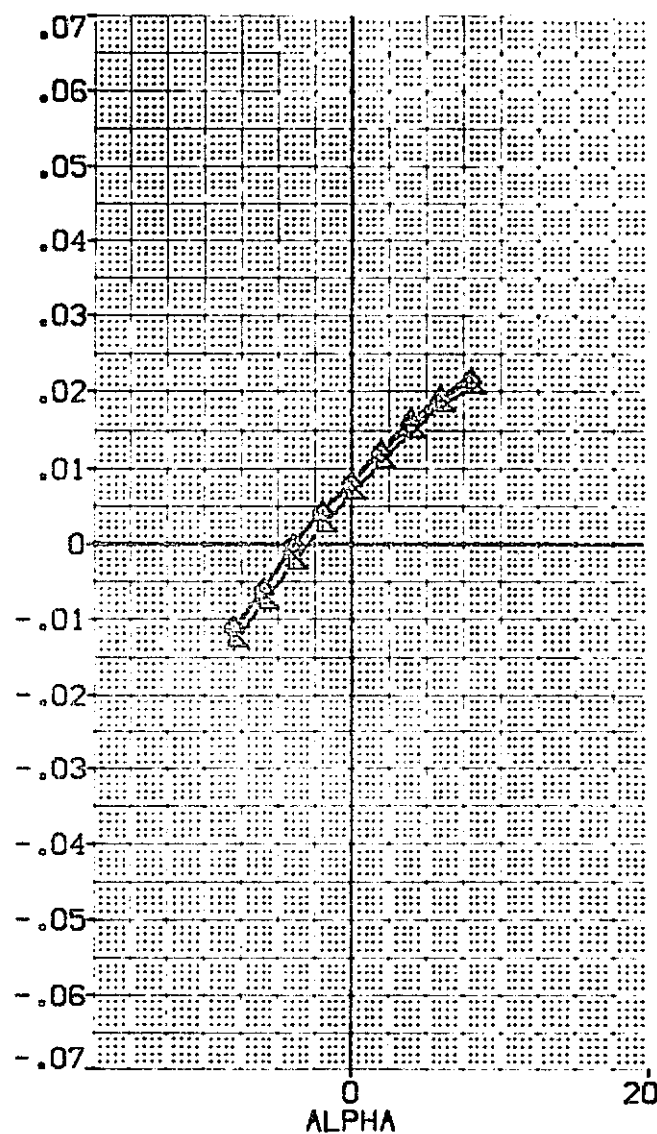
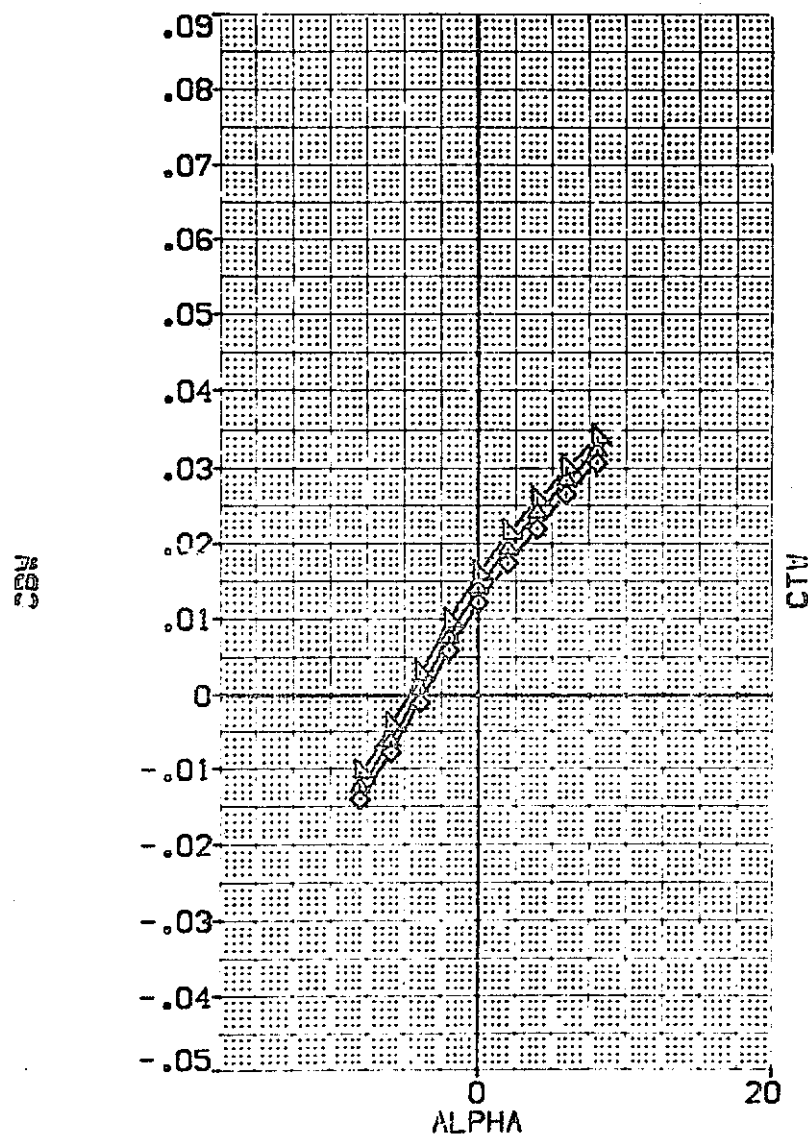


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(B)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7020]	DATA NOT AVAILABLE
[AF7015]	DATA NOT AVAILABLE
[AF7005]	1A70 01T12S1P2F3
[AF7005]	1A70 01T12S1P2F3
[AF7014]	1A70 01T12S1P2F3

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION
12.000	-9.000	.000	.000	BREF 2850.0000 SQ.FT.
12.000	-4.000	.000	.000	LREF 474.6000 IN.
12.000	.000	.000	.000	BREF 935.7000 IN.
12.000	4.000	.000	.000	XMRP .0000 IN. XT
12.000	8.000	.000	.000	YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

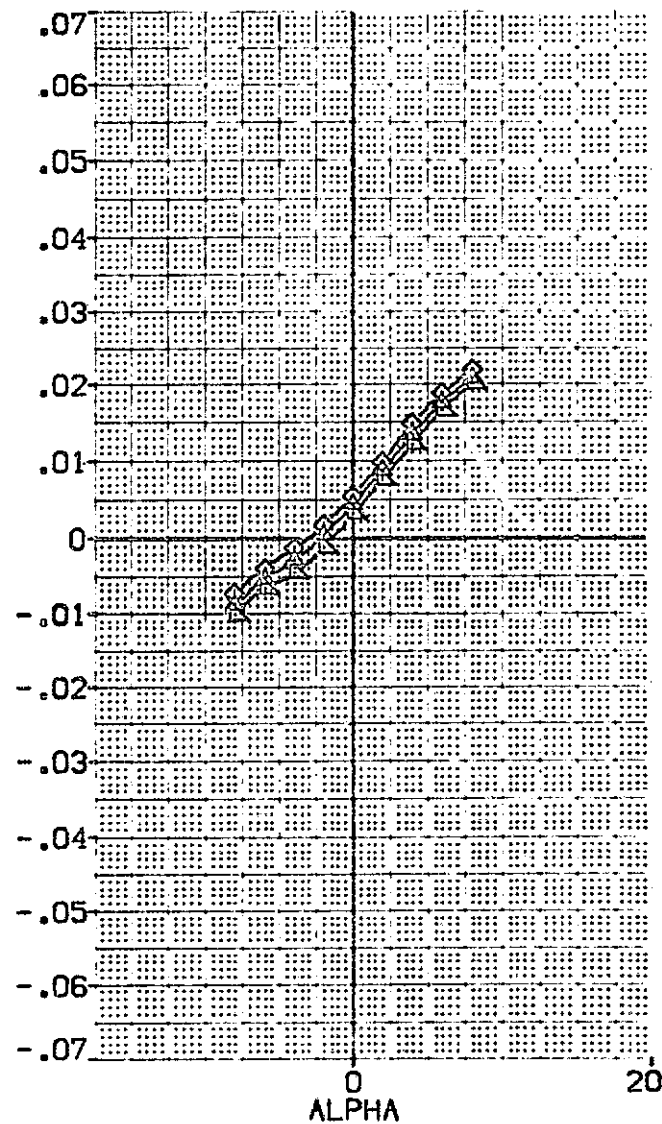
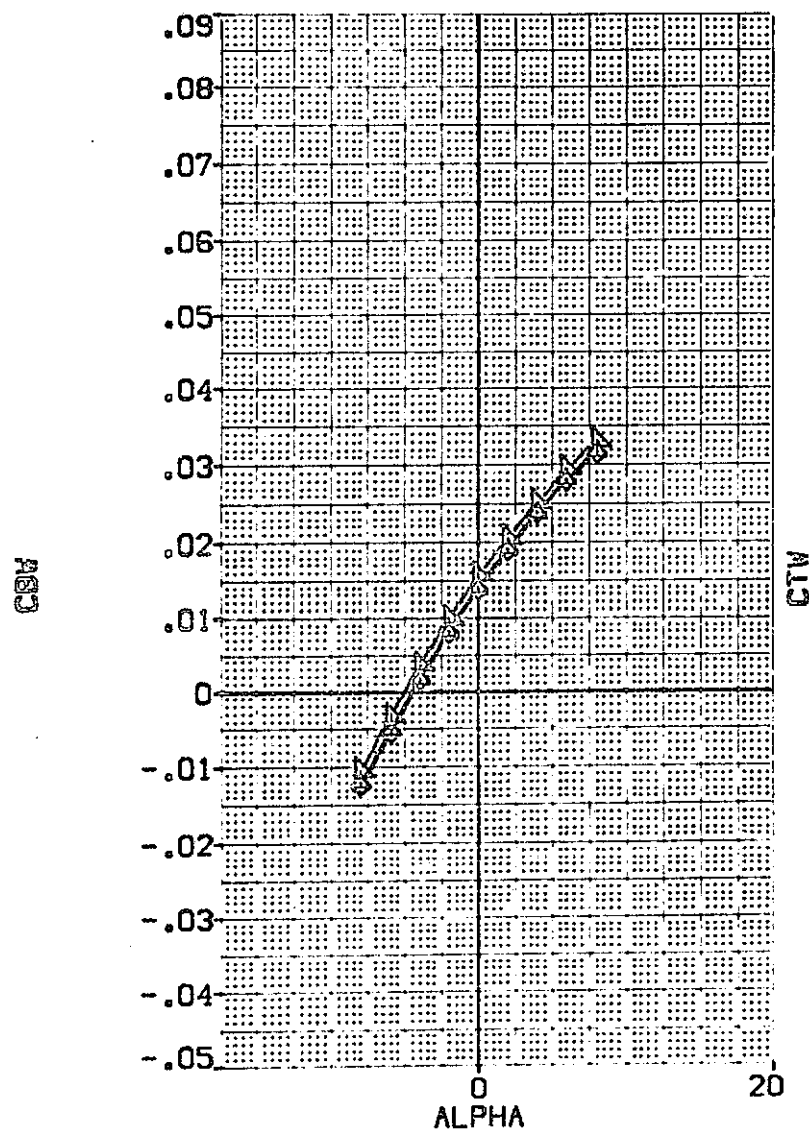


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(C)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7020}	1A70 01T125IP2P8
{AF7015}	1A70 01T125IP2P8
{AF7005}	1A70 01T125IP2P8
{AF7005}	1A70 01T125IP2P8
{AF7014}	DATA NOT AVAILABLE

ELV-LI	ELV-LB	BFLAP	BETA	REFERENCE INFORMATION		
12.000	-8.000	.000	.000	SREF	2690.0000	SQ.FT.
12.000	-4.000	.000	.000	LREF	474.8000	IN.
12.000	.000	.000	.000	BREF	936.7000	IN.
12.000	4.000	.000	.000	XMRP	.0000	IN. XT
12.000	8.000	.000	.000	YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

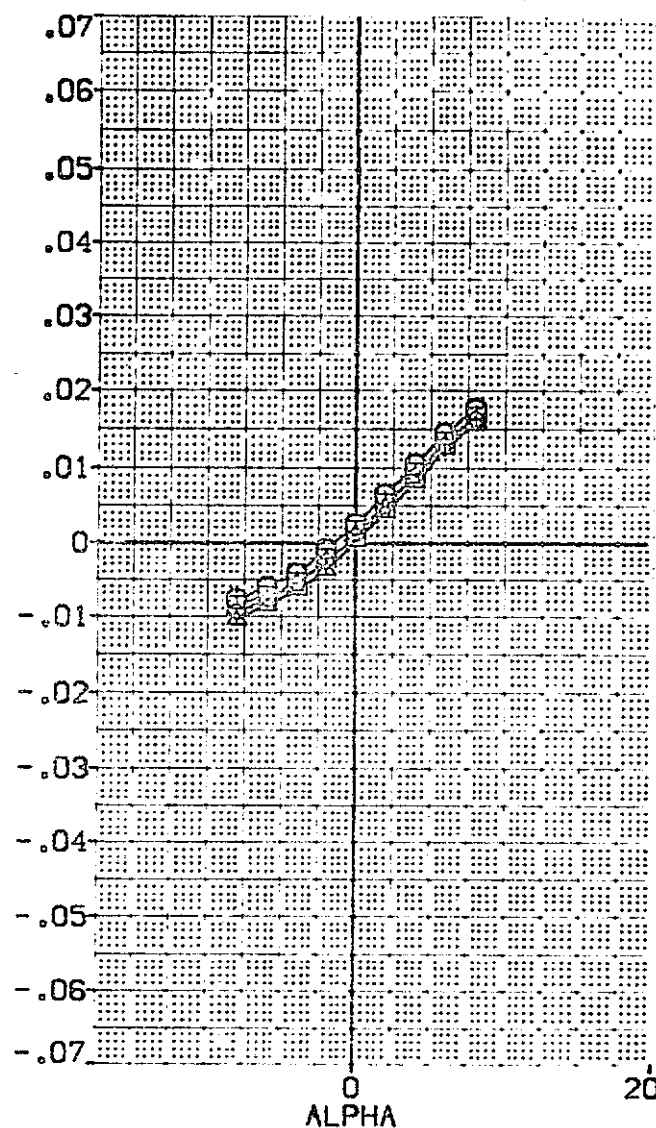
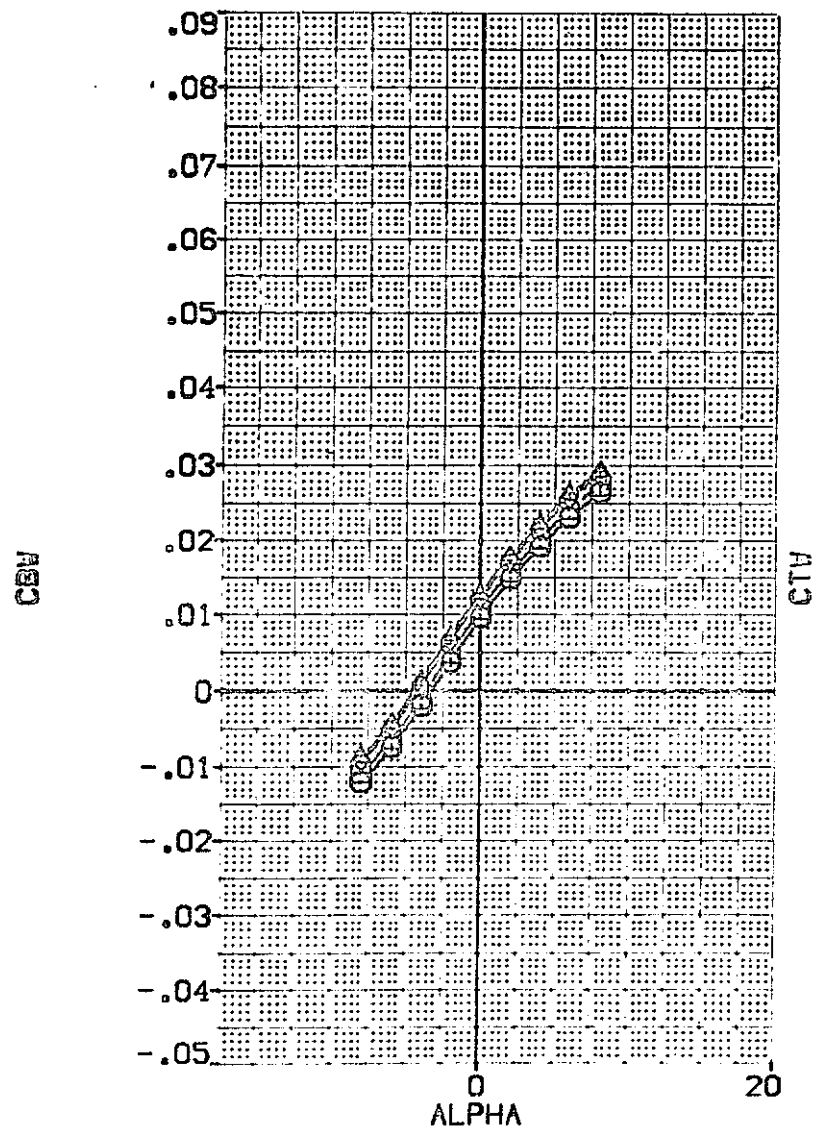


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12
(D)MACH = 1.50

OVER

○
□
◇
△
▽

ALPHA
-3.000
-3.000
-4.000
-2.000
.000

RACH
ELV-LI
ELV-RO

PARAMETRIC VALUES

.000 BETA
12.000 ELY-RI
-9.000 EFLAP

.000 DATASET
12.000 AF7020
.000 AF7005
.000 AF7014

DATA SOURCE

ELV-LG
-3.000
.000
3.000

DATASET
AF7015
AF7005

ELV-LG
-4.000
4.000

SREF
LREF
BREF
YMRP
ZMRP
SCALE

REFERENCE INFORMATION

2650.0000
474.8000
935.7000
.0000
.0000
.0000
.0150

50.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

CHEO

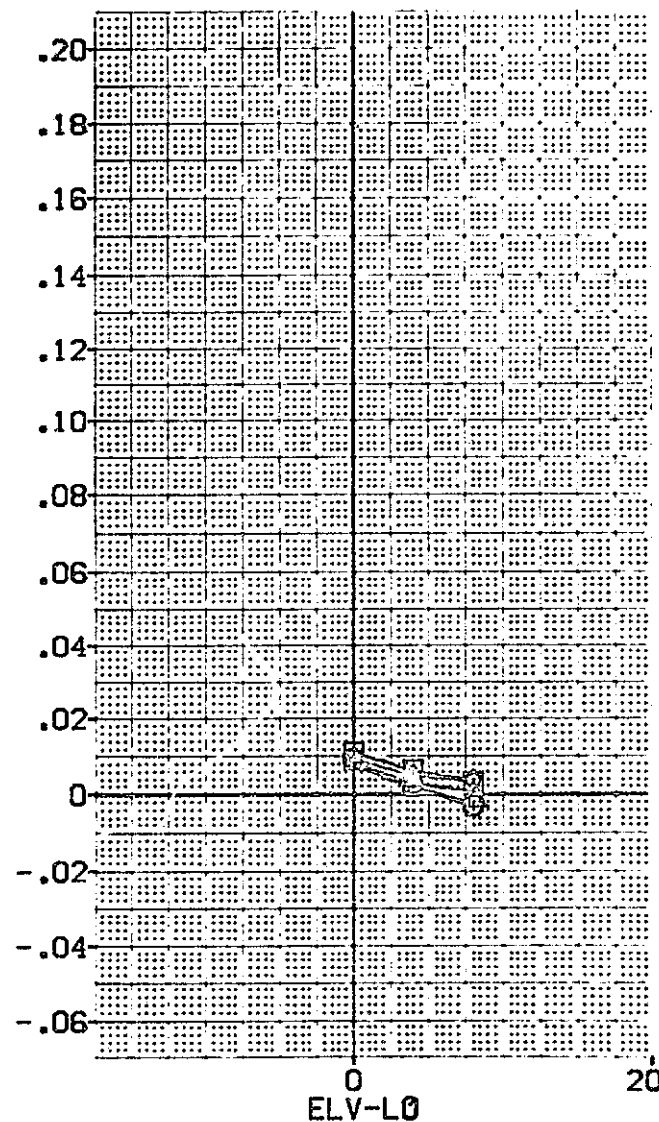
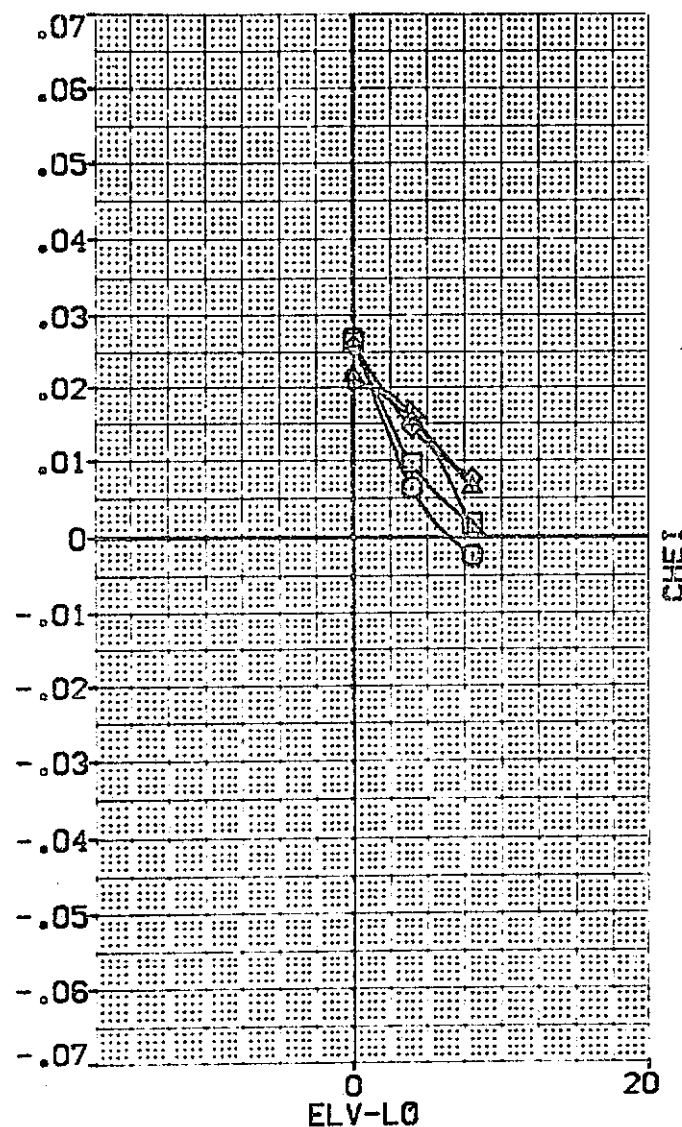


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

IA70 01T12S1P2P8

(AF7020)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	BETA	DATASET	DATA SOURCE	DATASET	ELV-L0	ELV-L0	REFERENCE INFORMATION	SO.FT.
○	2.000		.900		.000 AF7020	ELV-L0	AF7015	-8.000	-4.000	SREF	2690.0000
□	4.000	ELV-L1	12.000	ELV-R1	.000 AF7005		AF7005	.000	4.000	LREF	474.8000
◇	6.000	ELV-R0	-8.000	BFLAP						BREF	936.7000
△	8.000									XMRP	.0000
										YMRP	.0000
										ZMRP	.0000
										SCALE	.0150

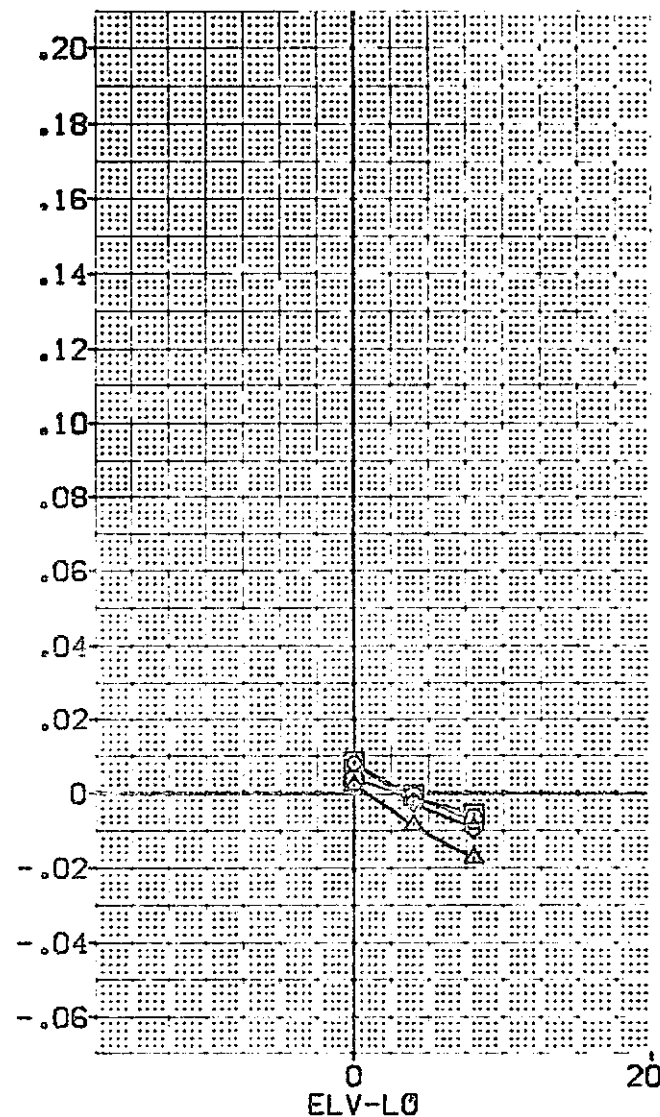
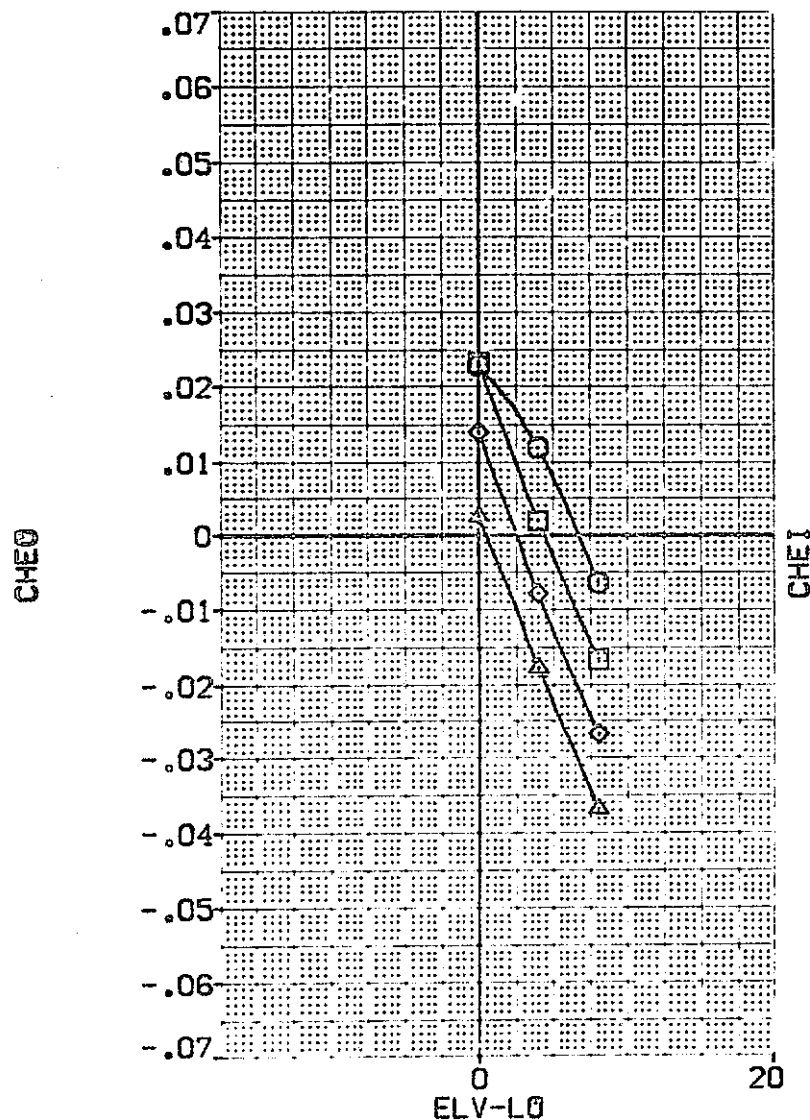


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

SYMBOL
○
□
◇
△
▽

ALPHA
-8.000
-6.000
-4.000
-2.000
.000

MACH
1.120
ELV-L1
ELV-R3

PARAMETRIC VALUES
ETA
ELV-R1
SLAP

.000 DATASET
12.000 AF7020
.000 AF7005
.000 AF7014

DATA SOURCE
ELV-L0
-3.000
.000
3.000

DATASET
AF7015
AF7005

ELV-L0
-4.000
4.000

REFERENCE INFORMATION
SREF 2650.0000 SQ.FT.
LREF 474.6000 IN.
SREF 935.7000 IN.
XGRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

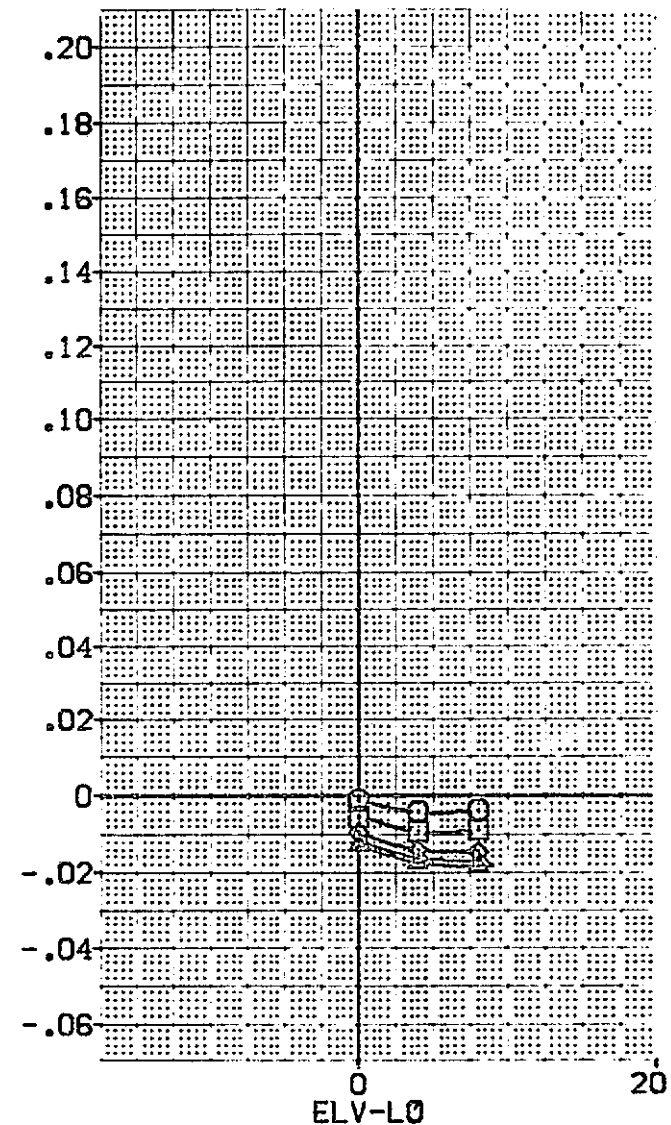
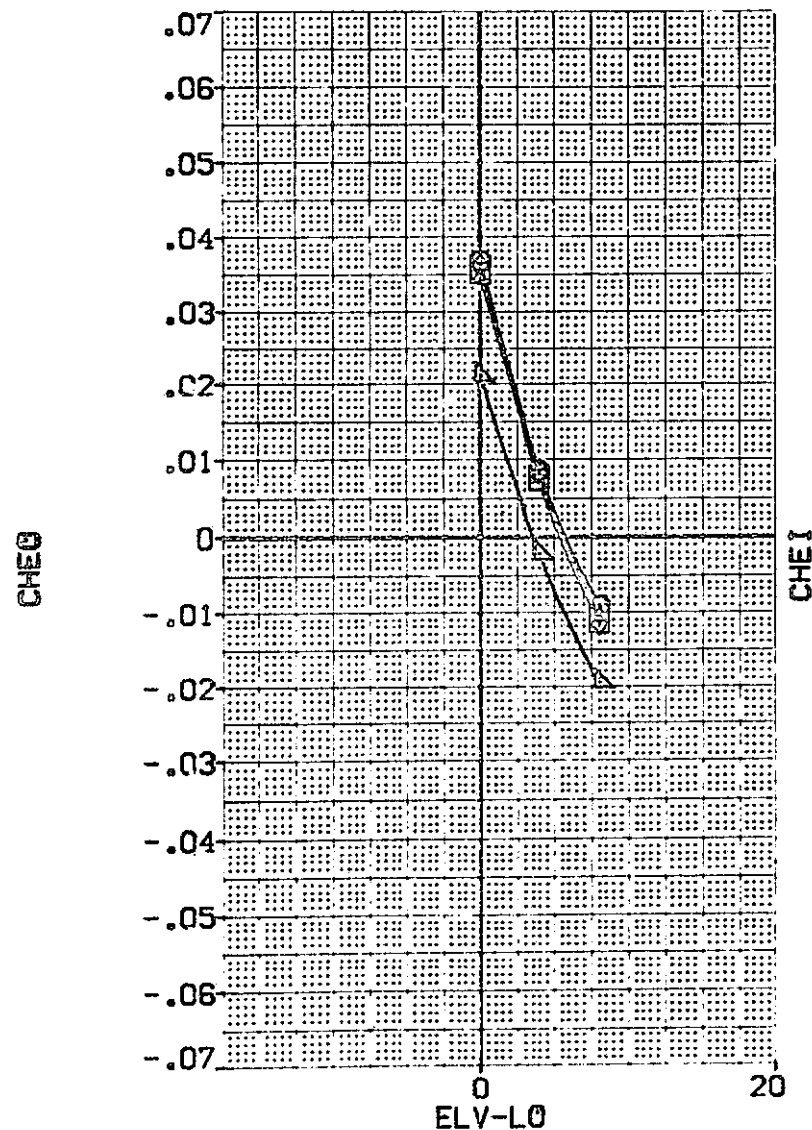


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

IA70 01T12S1P2P8

(AF7020)

SYMBOL

○
□
◇
△

ALPHA

2.000
4.000
6.000
8.000

MACH
ELV-LI
ELV-RI

PARAMETRIC VALUES

1.120 BETA
12.000 ELV-RI
-8.000 BFLAP

12.000
.000

DATASET
AF7020
AF7005
AF7014

DATA SOURCE

ELV-LI
-8.000
.000
8.000

DATASET
AF7015
AF7005

ELV-LI
-4.000
4.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 IN.
PREF 936.7000 IN.
XMRP .0000 IN. XT
YMRP .0000 IN. YT
ZMRP .0000 IN. ZT
SCALE .0150

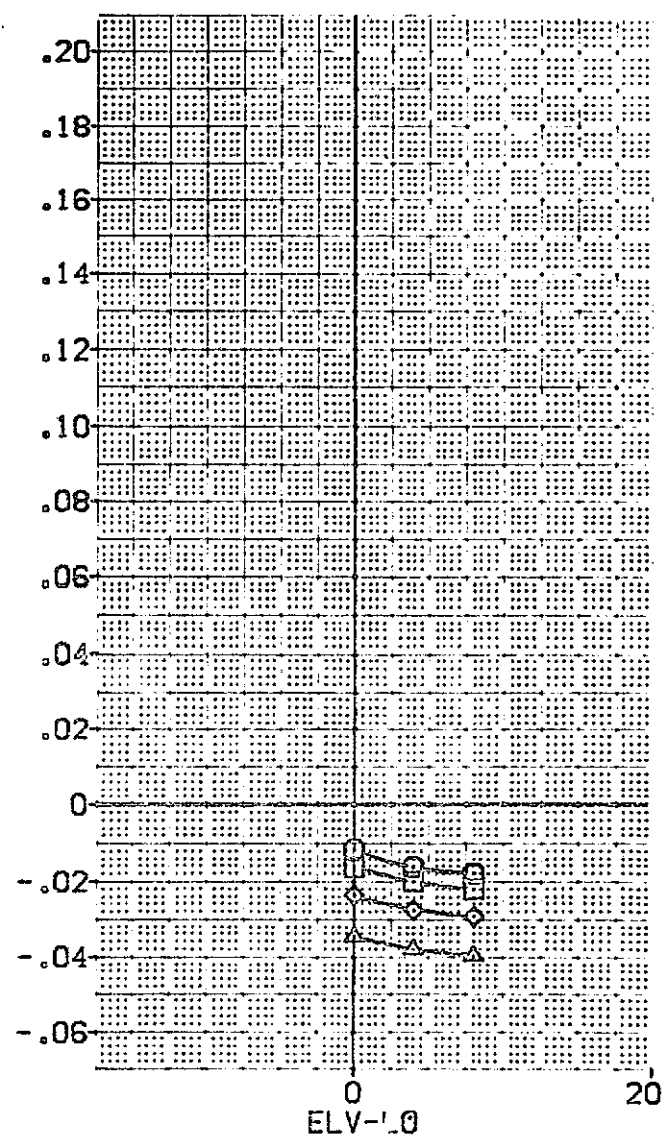
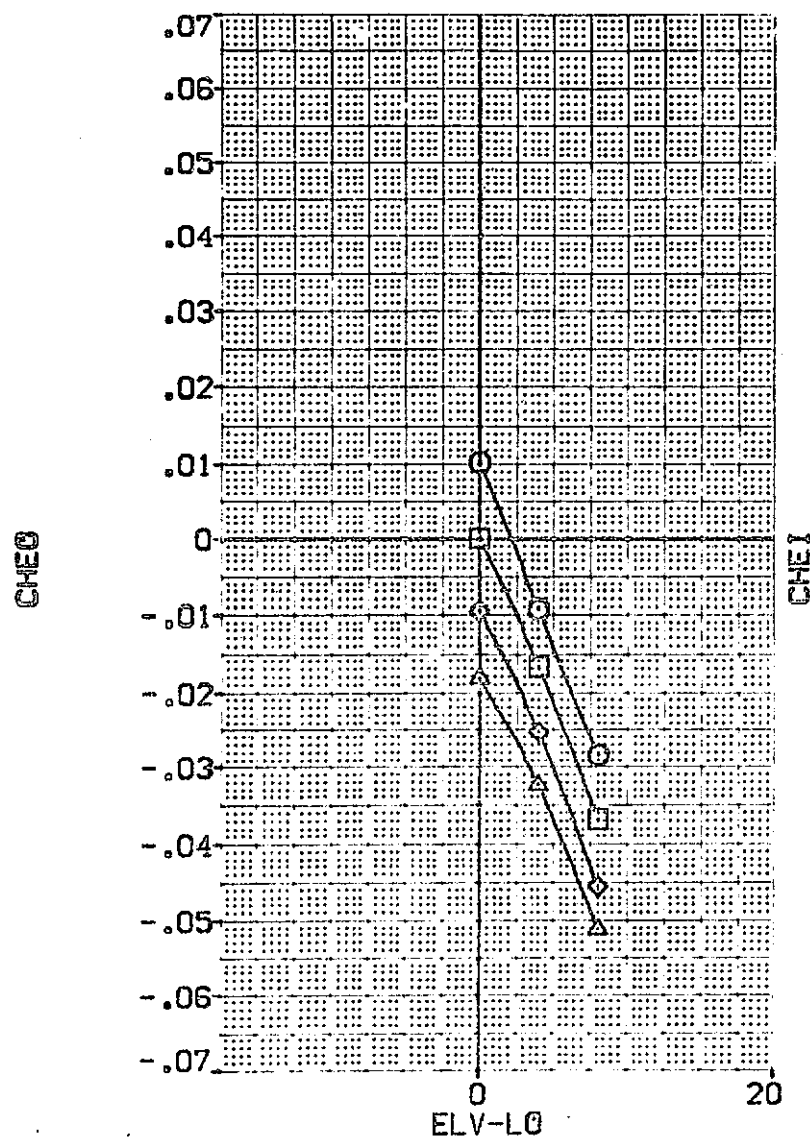


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

IA70 01T12S1P2P8

(AF7020)

SYMBOL

○
□
◇
△
▽

ALPHA

-3.000
-6.000
-4.000
-2.000
.000

HACH
ELV-LI
ELV-RD

PARAMETRIC VALUES

1.240
12.000
-9.000

BETA
ELV-RI
BFLAP

.000
12.000
.000

DATASET
AF7020
AF7005
AF7014

DATA SOURCE

ELV-L0
-9.000
.000
0.000

DATASET
AF7015
AF7005

ELV-L0
-4.000
4.000

REFERENCE INFORMATION

2850.0000
474.8000
935.7000
.0000
.0000
.0000
.0150

50.FT.
IN.
IN.
IN. XT
IN. YT
IN. ZT

CHEO

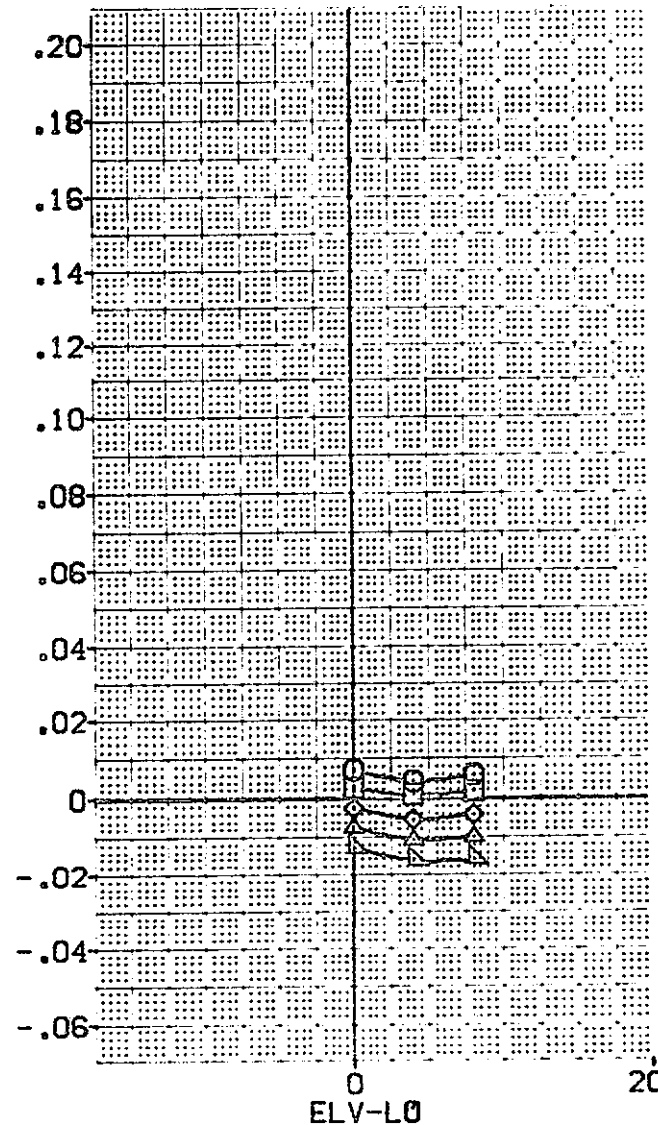
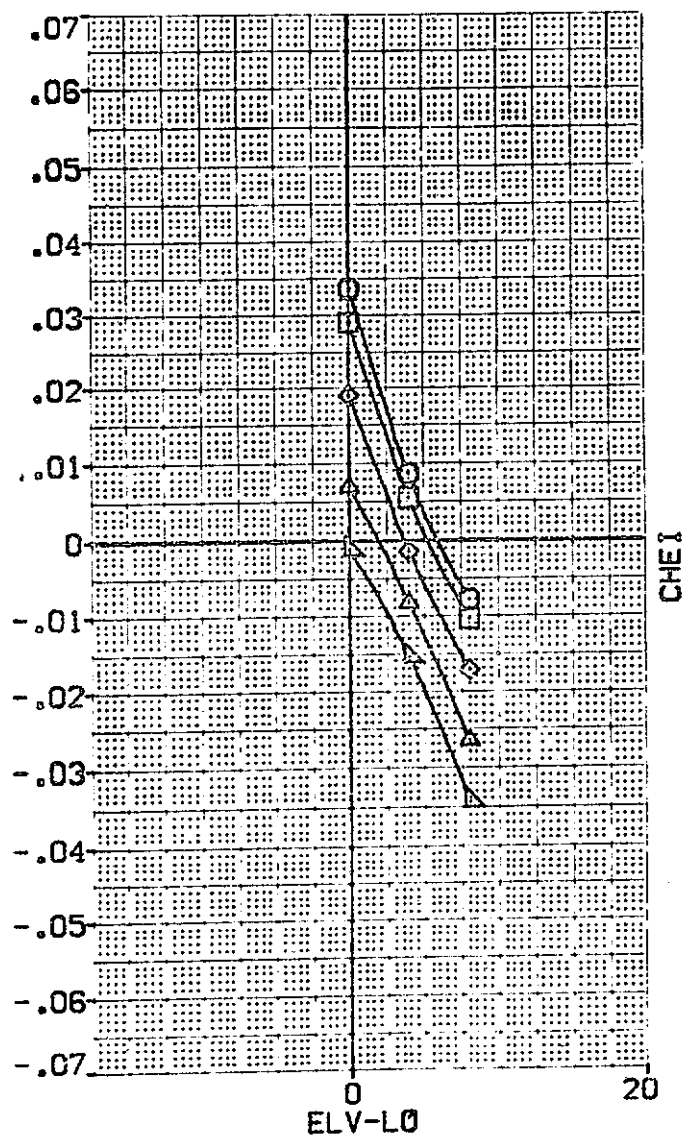


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

IA70 01T12S1P2P8

(AF7020)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	BETA	.000 DATASET	DATA SOURCE	ELV-L0	DATASET	ELV-L0	SREF	2690.0000	SQ.FT.
○	2.000				.000	AF7020	-8.000	AF7015	-4.000	LREF	474.8000	IN.
□	4.000	ELV-L1	12.000	ELV-RT	12.000	AF7005	.000	AF7006	4.000	BREF	936.7000	IN.
◇	6.000	ELV-R0	-8.000	BFLAP	.000	AF7014	8.000			XMRP	.0000	IN. XT
△	8.000									YMRP	.0000	IN. YT
										ZMRP	.0000	IN. ZT
										SCALE	.0150	

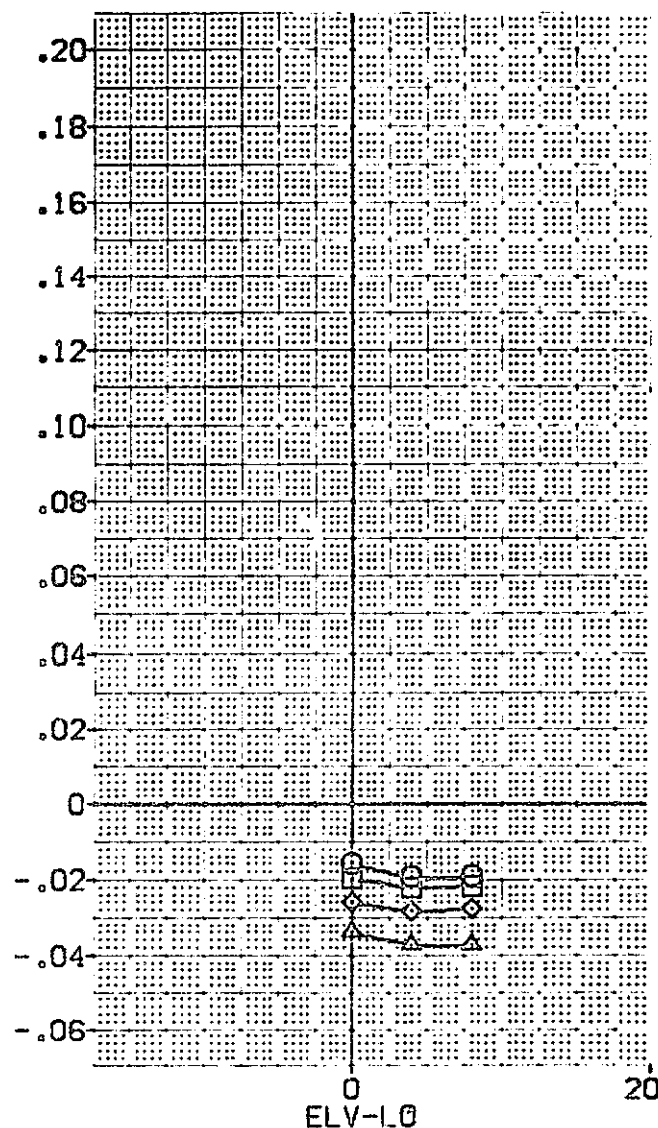
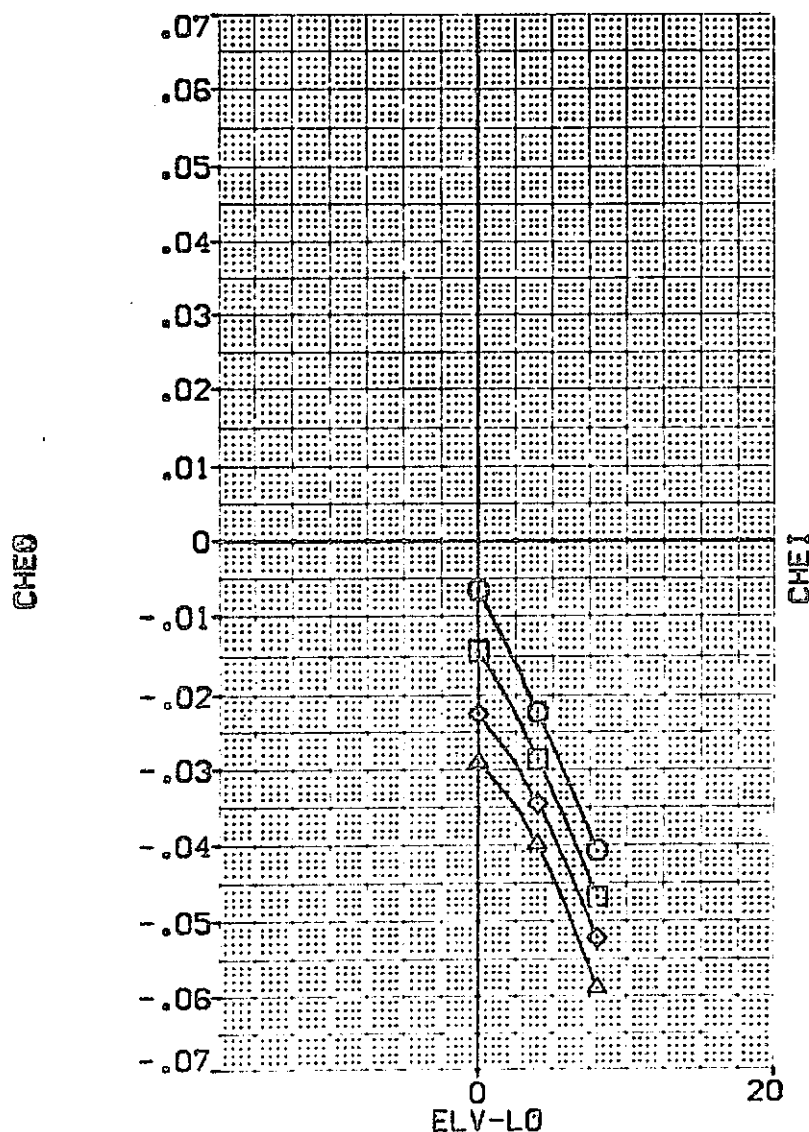


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

IA70 01T12S1P2P8

(AF7020)

SWEEP	ALPHA	HACH	PARAMETRIC VALUES	ETA	DATASET	DATA SOURCE	ELV-LG	DATASET	ELV-LG	SREF	2650.0000	50.FT.
○	-8.000	ELV-LI	1.000	ELV-RI	12.000	AF7020	-0.000	AF7015	-4.000	LREF	474.5000	IN.
□	-6.000	ELV-RG	-8.000	EFLAP	.000	AF7005	.000	AF7005	4.000	SREF	925.7000	IN.
◇	-4.000									YMRP	.0000	IN. XT
△	-2.000									YMRP	.0000	IN. YT
▽	.000									ZMRP	.0000	IN. ZT
										SCALE	.0150	

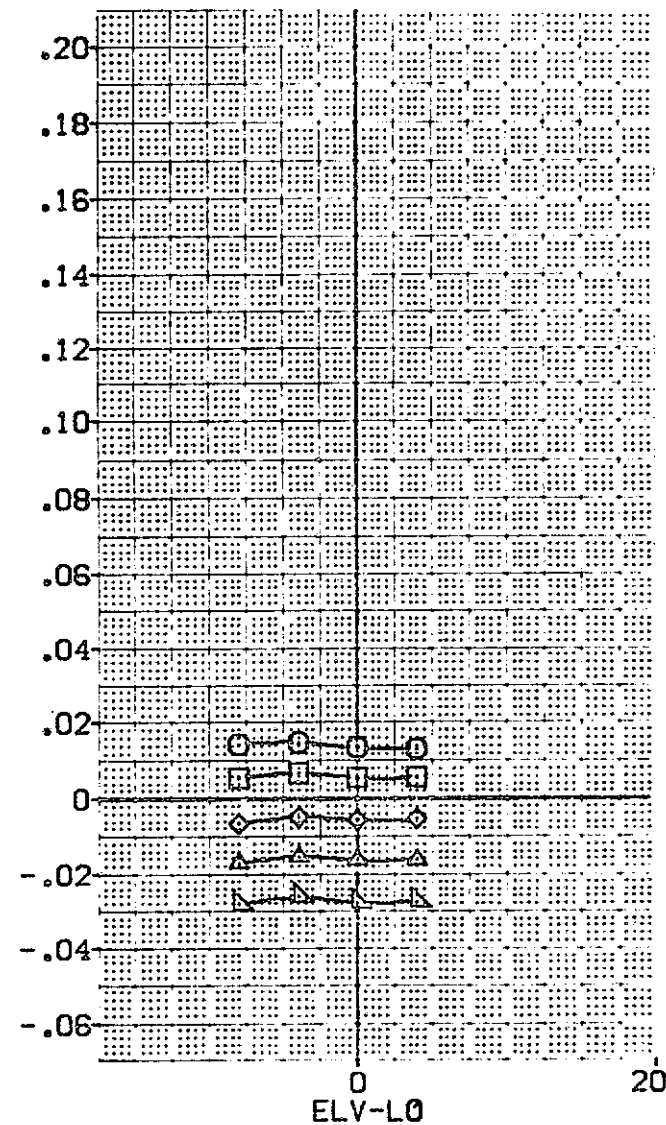
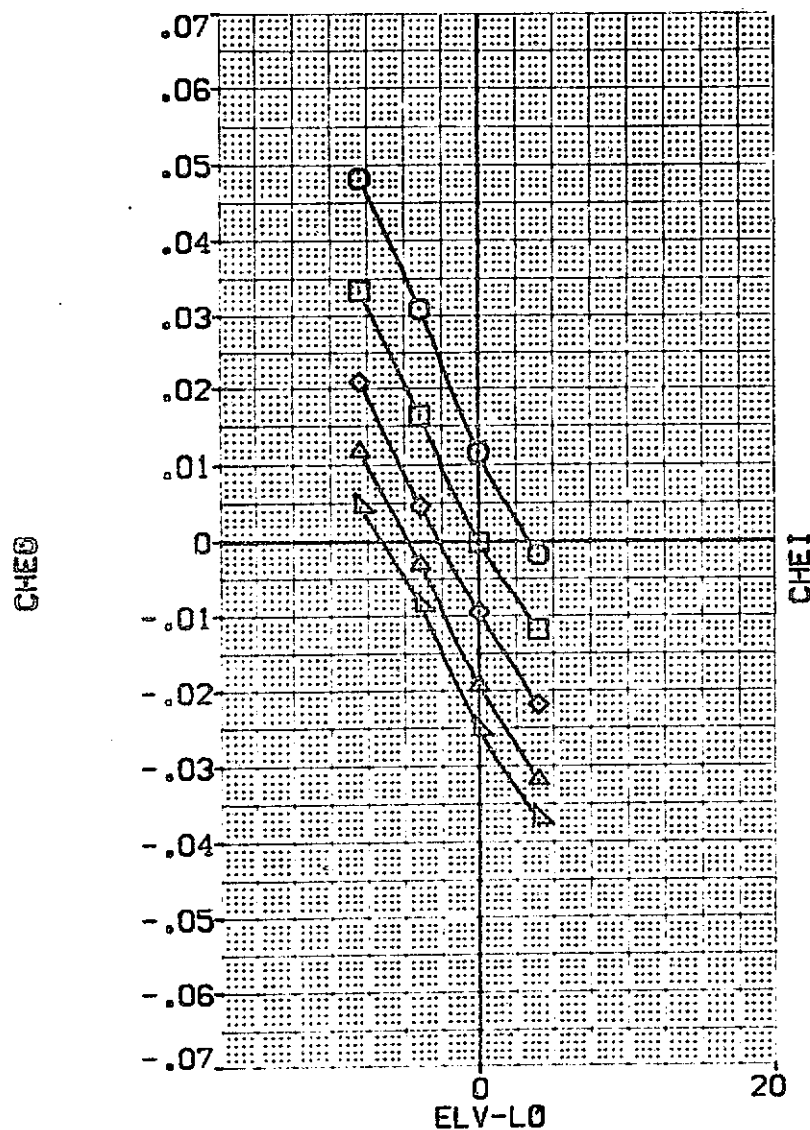


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

IA70 01T12S1P2P8

(AF7020)

 SYMBOL
 ○
 □
 ◇
 △

ALPHA	MACH	PARAMETRIC VALUES	BETA	.000 DATASET
2.000		1.500		
4.000	ELV-LI	12.000	ELV-RI	12.000 AF7020
6.000	ELV-RO	-8.000	BFLAP	.000 AF7005
8.000				.000 AF7014

DATA SOURCE

ELV-L0	DATASET
-8.000	AF7015
.000	AF7006
8.000	

ELV-L0	SREF	2680.0000	SQ.FT.
-4.000	LREF	474.8000	IN.
4.000	BREF	936.7000	IN.
	XMRP	.0000	IN. XT
	YMRP	.0000	IN. YT
	ZMRP	.0000	IN. ZT
	SCALE	.0150	

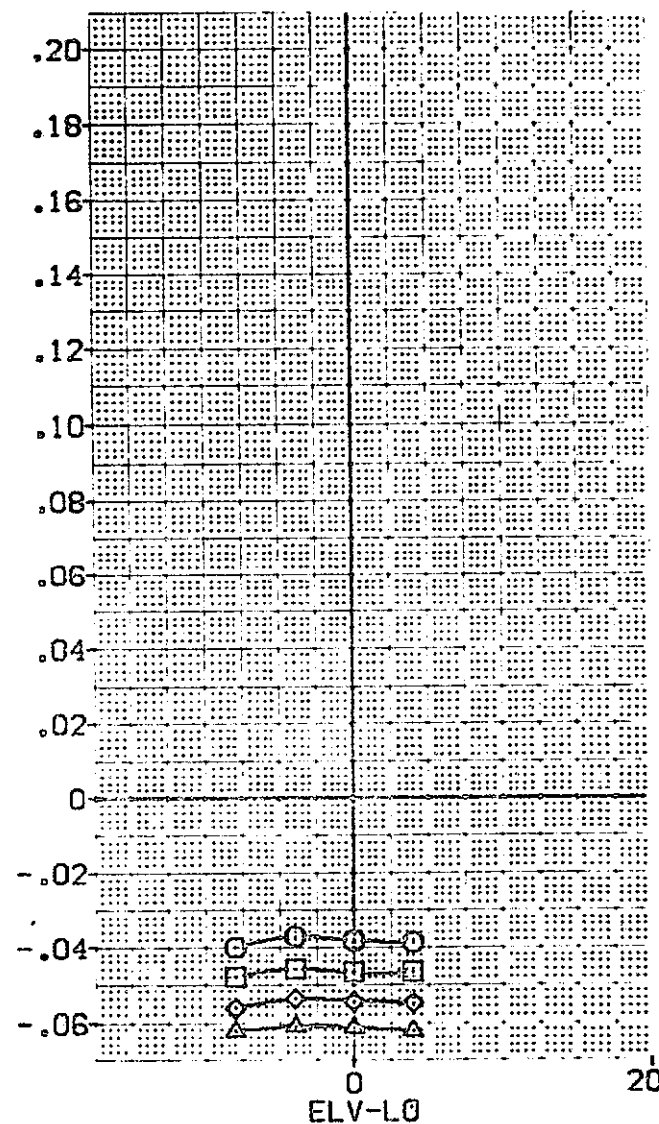
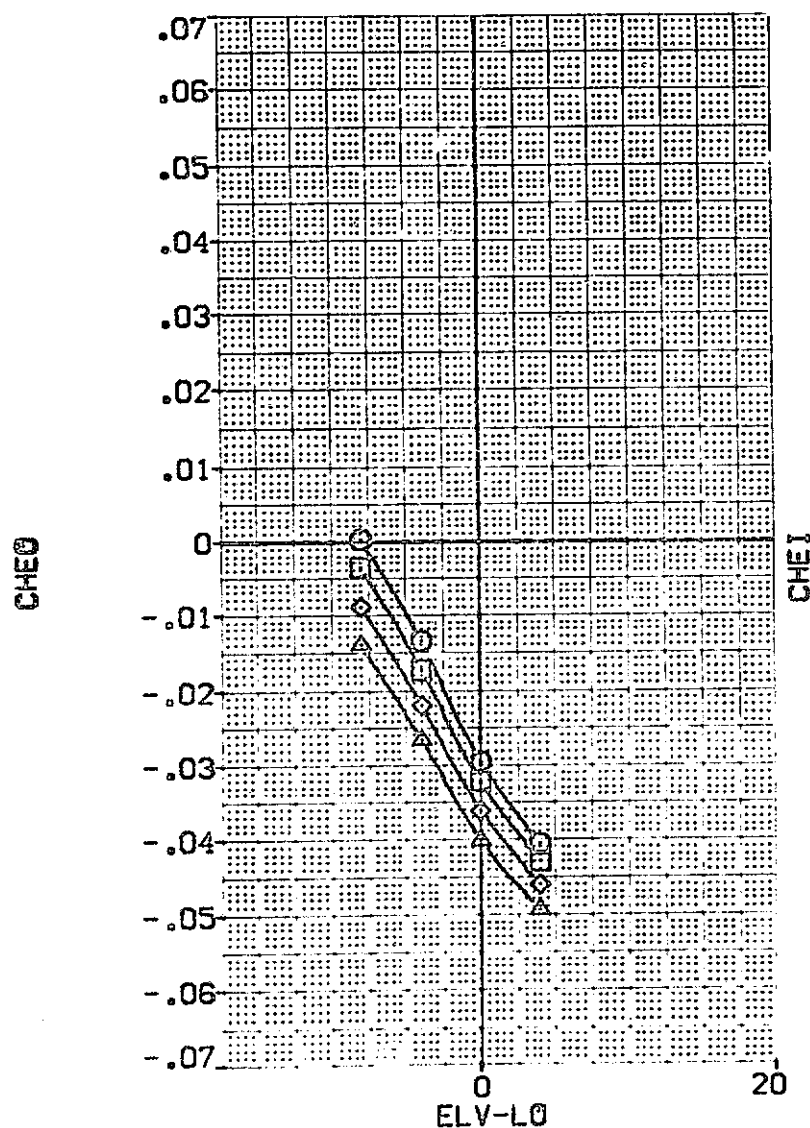


FIG 14 ELEVON EFFECTIVENESS, INBD ELEVON = 12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(2F7024)	IA70 01T12SIP2F3
(2F7023)	IA70 01T12SIP2F3
(2F7016)	IA70 01T12SIP2F3
(2F7022)	IA70 01T12SIP2F3

ETA	ELV-LI	ELV-LB	EFLAP	REFERENCE INFORMATION		
-0.000	0.000	-4.000	.000	SREF	2650.0000	89.FT.
-4.000	0.000	-4.000	.000	LREF	474.8000	IN.
.000	0.000	-4.000	.000	BREF	935.7000	IN.
0.000	0.000	-4.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

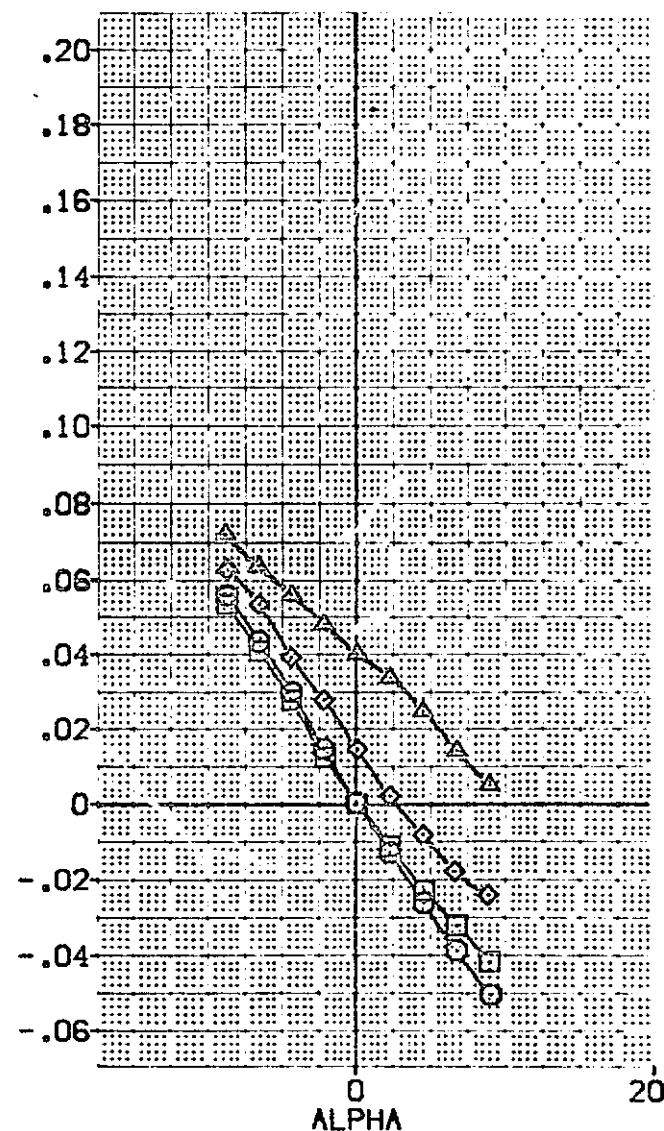
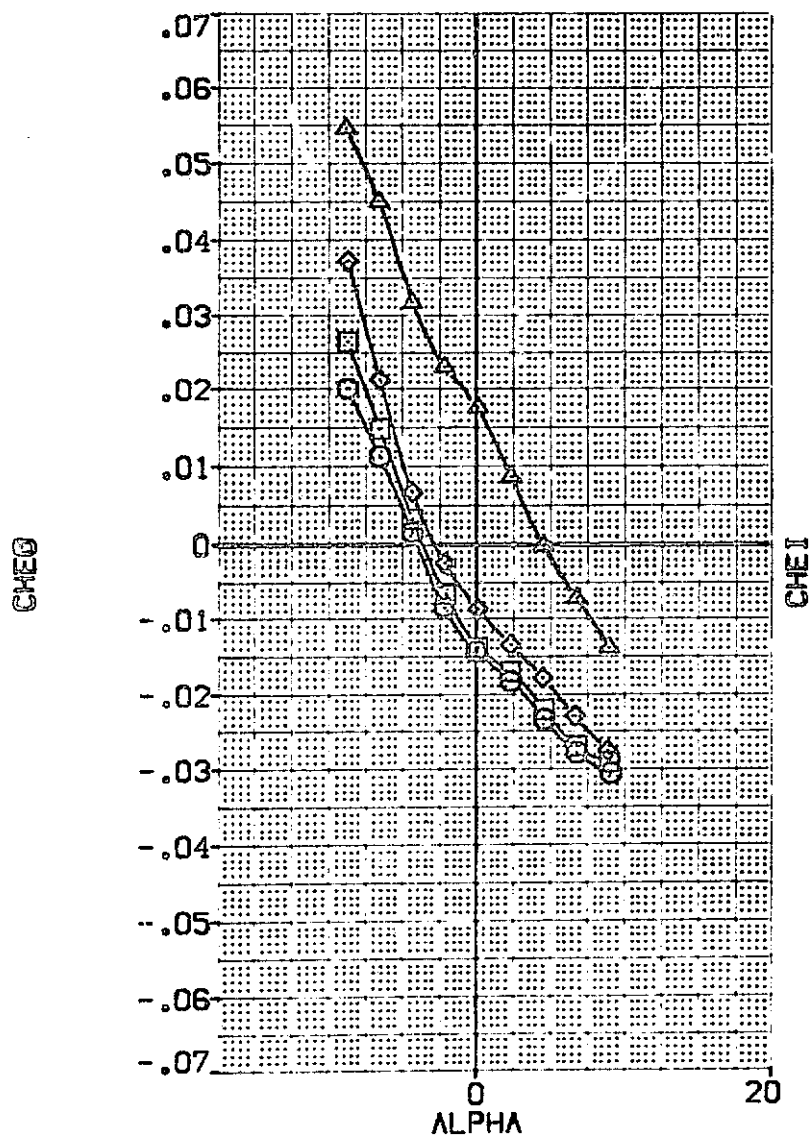


FIG 15 EFFECT OF YAW, DEQ = -4, DEI = 8
(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[ZF7024]	IA70 01T12SIP2P8
[ZF7023]	IA70 01T12SIP2P8
[ZF7016]	IA70 01T12SIP2P8
[ZF7022]	IA70 01T12SIP2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION	
-8.000	8.000	-4.000	.000	SREF	2690.0000 SQ.FT.
-4.000	8.000	-4.000	.000	LREF	474.8000 IN.
.000	8.000	-4.000	.000	BREF	936.7000 IN.
8.000	8.000	-4.000	.000	XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

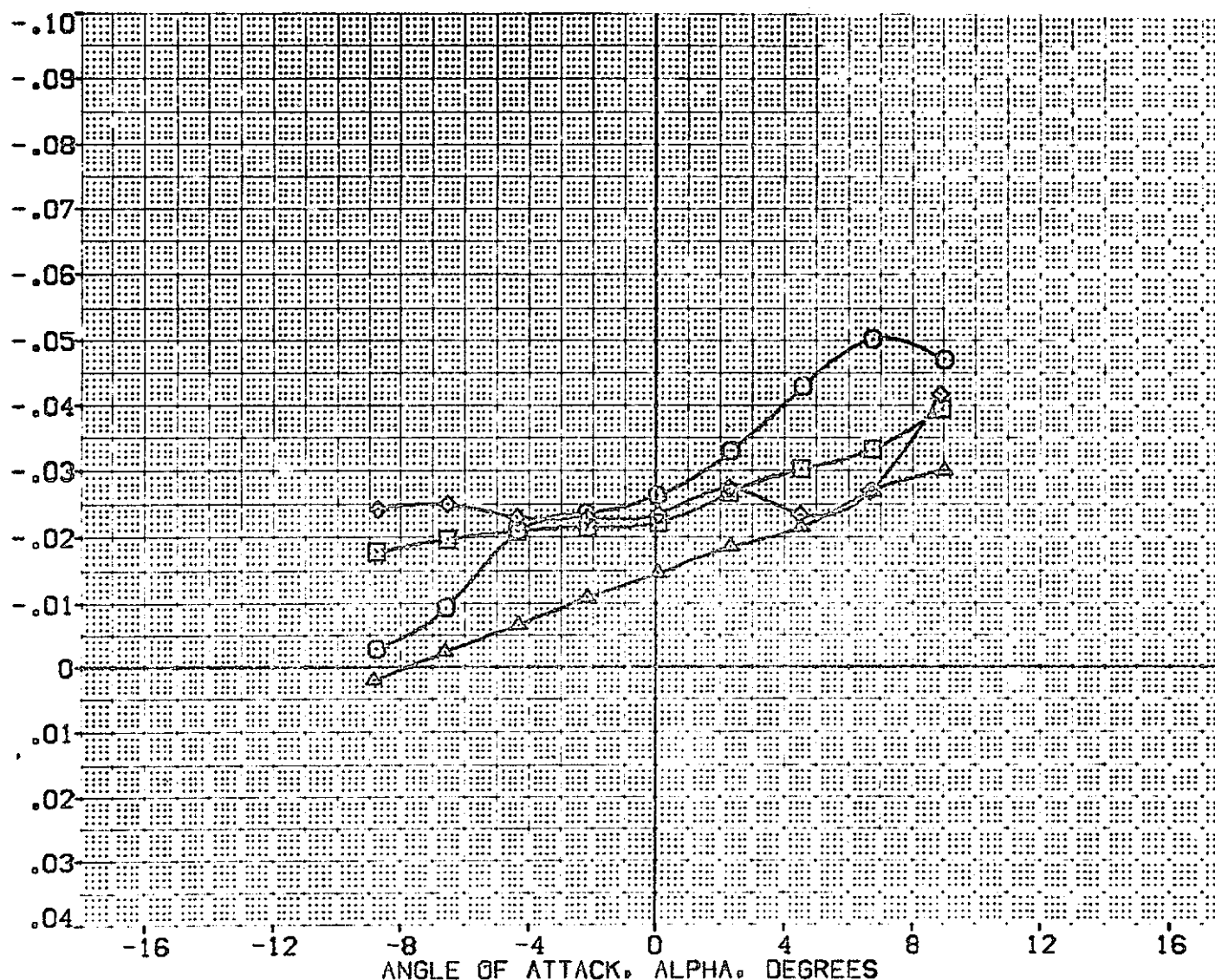


FIG 15 EFFECT OF YAW, DE0 = -4, DE1 = 8

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZF7024)	1A70 01T12SIP2F3
(ZF7025)	1A70 01T12SIP2F3
(ZF7016)	1A70 01T12SIP2F3
(ZF7022)	1A70 01T12SIP2F3

BETA	ELV-L1	ELV-L2	EFLAP	REFERENCE INFORMATION		
-0.000	0.000	-4.000	.000	SREF	2890.0000	SQ.FT.
-4.000	0.000	-4.000	.000	LREF	474.8000	IN.
.000	0.000	-4.000	.000	SREF	936.7000	IN.
0.000	0.000	-4.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

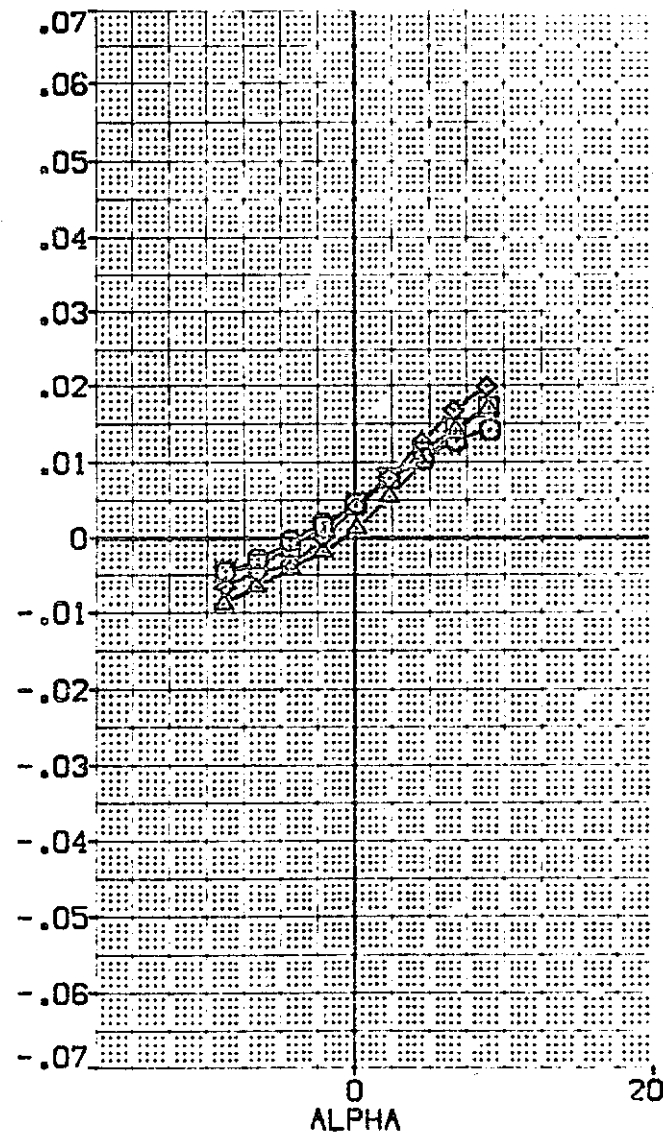
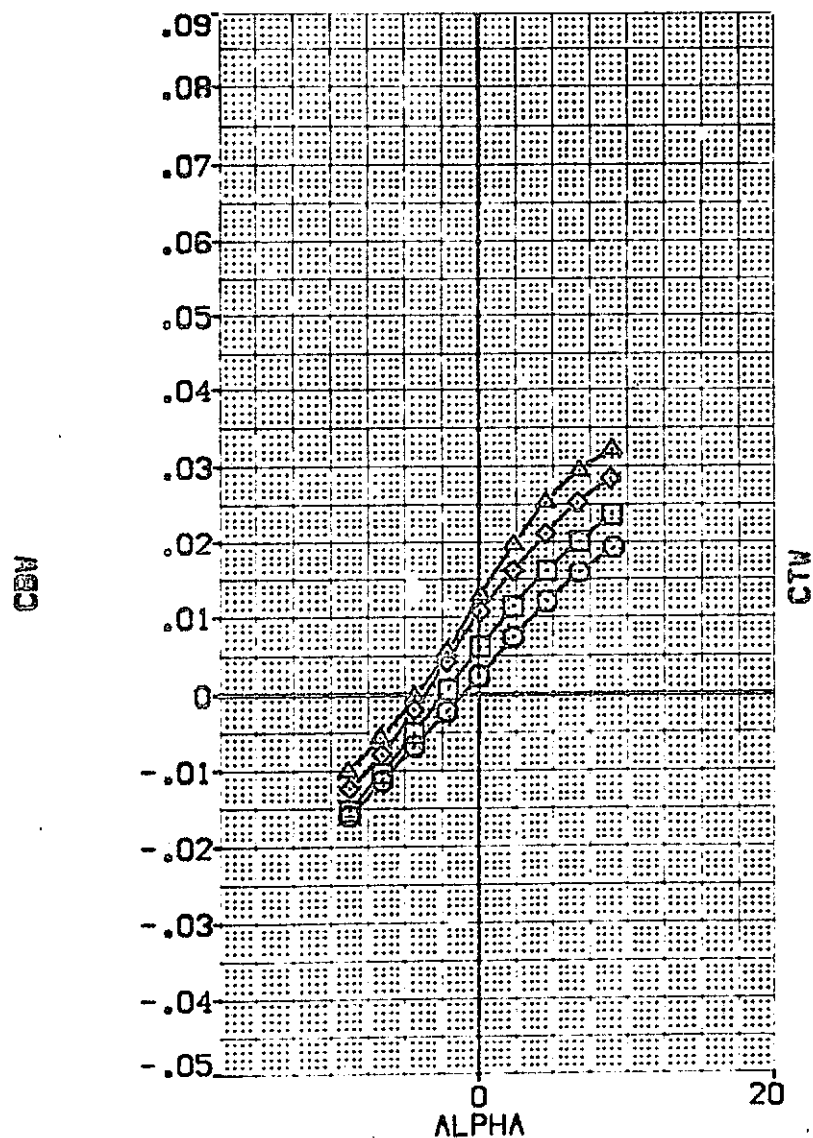


FIG 15 EFFECT OF YAW, DEO = -4, DEI = 8
(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7028)	IA70 01T12SIP2P8
(AF7027)	IA70 01T12SIP2P8
(AF7026)	IA70 01T12SIP2P8
(AF7025)	IA70 01T12SIP2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION		
-8.000	12.000	.000	.000	SREF	2690.0000	50.FT.
-4.000	12.000	.000	.000	LREF	174.8000	IN.
4.000	12.000	.000	.000	BREF	936.7000	IN.
8.000	12.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

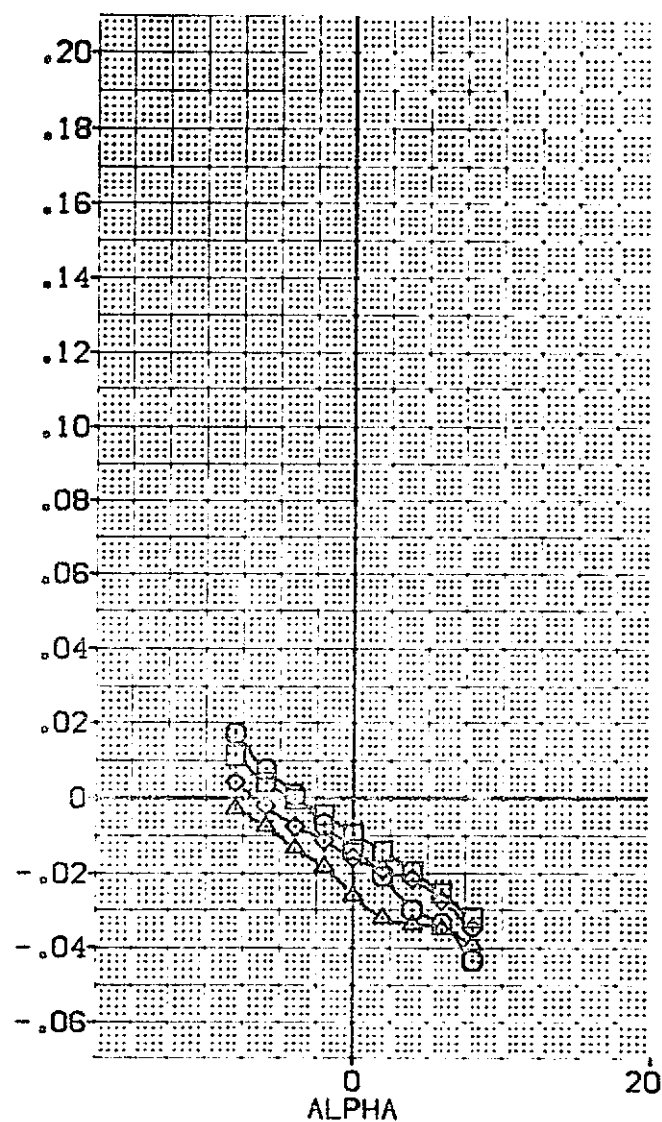
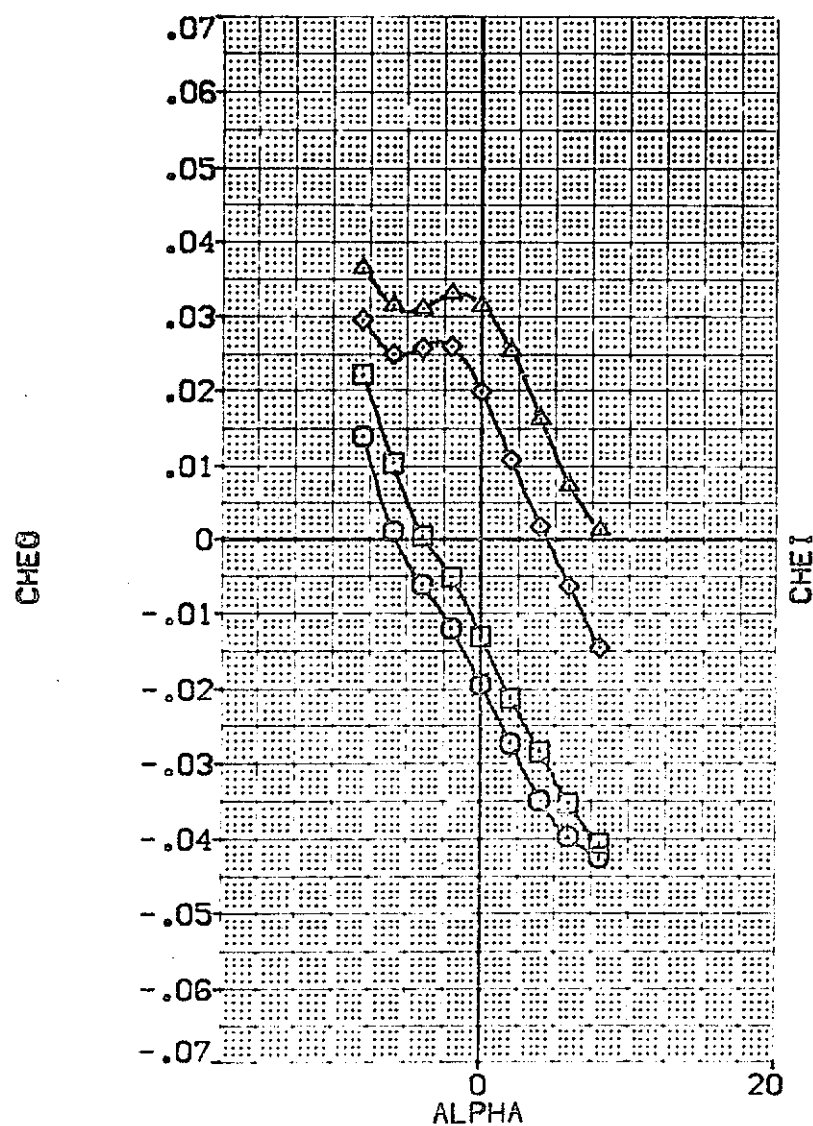


FIG 16 EFFECT OF YAW, DEQ = 0, DEI = 12
(A)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7023]	1A70 01T125IP2F3
[AF7027]	1A70 01T125IP2F8
[AF7025]	1A70 01T125IP2F3
[AF7023]	1A70 01T125IP2F3

ETA	ELV-L1	ELV-LQ	EFLAP	REFERENCE INFORMATION
-0.000	12.000	.000	.000	SREF 2650.0000 53.FT.
-4.000	12.000	.000	.000	LREF 474.8000 IN.
4.000	12.000	.000	.000	BREF 936.7000 IN.
6.000	12.000	.000	.000	XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

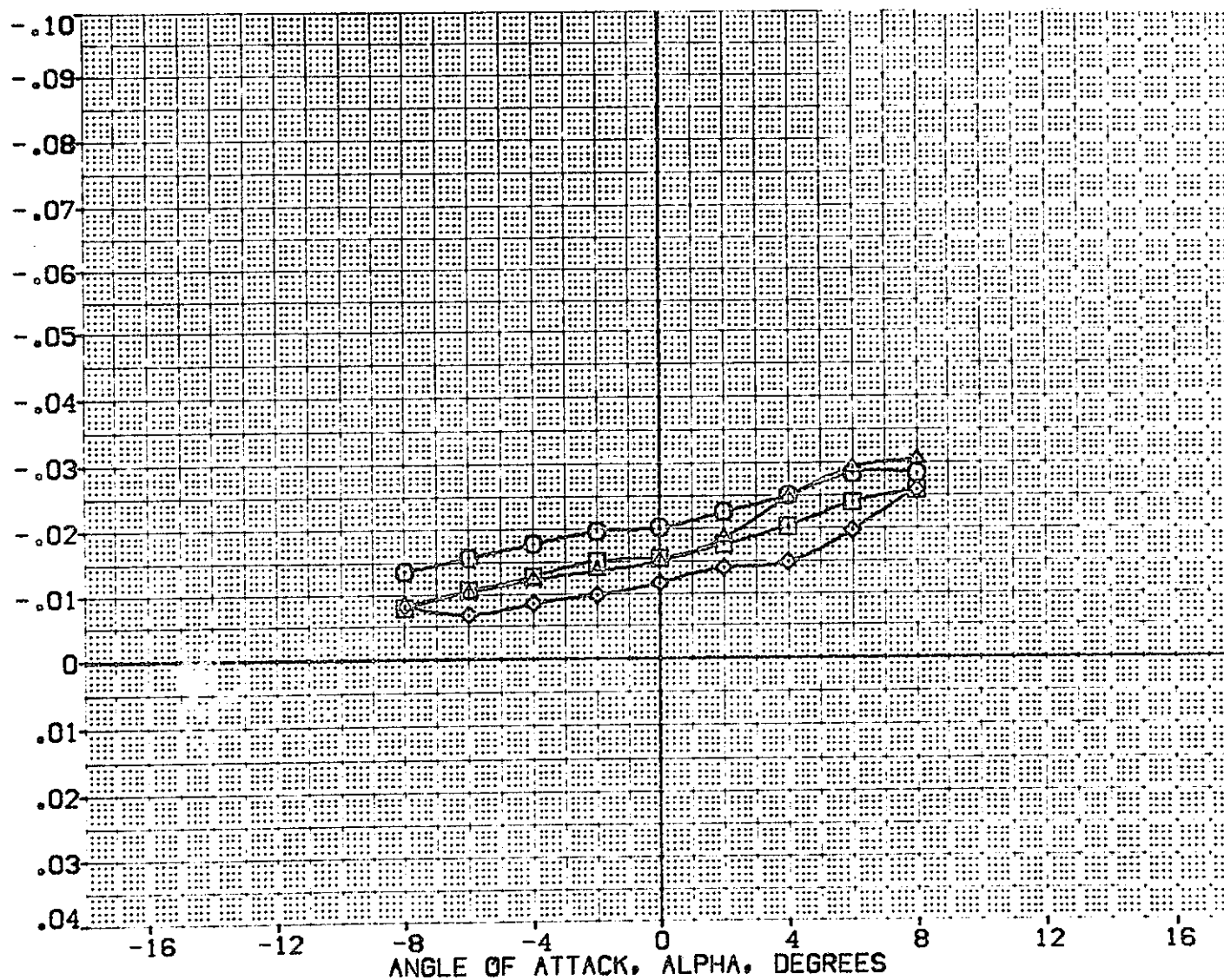


FIG 16 EFFECT OF YAW, DEO = 0, DEI = 12
(A)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7020}	IA70 01T12SIP2P8
{AF7027}	IA70 01T12SIP2P8
{AF7026}	IA70 01T12SIP2P8
{AF7025}	IA70 01T12SIP2P8

BETA	ELV-LI	ELV-LO	BFLAP	REFERENCE INFORMATION		
-8.000	12.000	.000	.000	SREF	2690.0000	SG.FT.
-4.000	12.000	.000	.000	LREF	474.8000	IN.
4.000	12.000	.000	.000	BREF	936.7000	IN.
8.000	12.000	.000	.000	XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

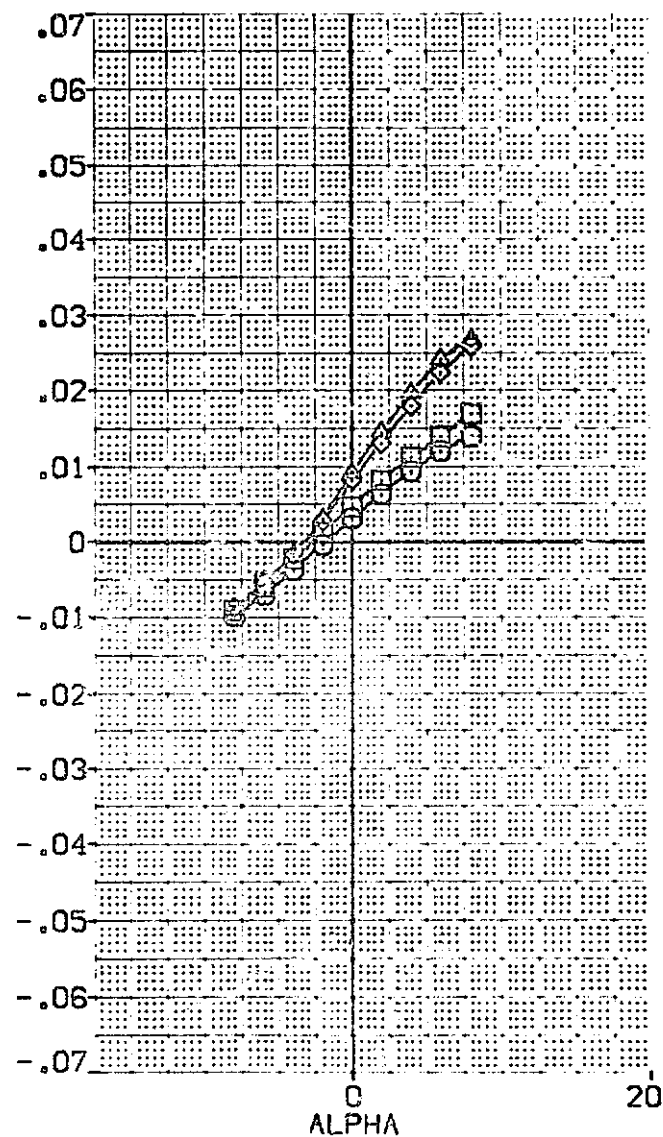
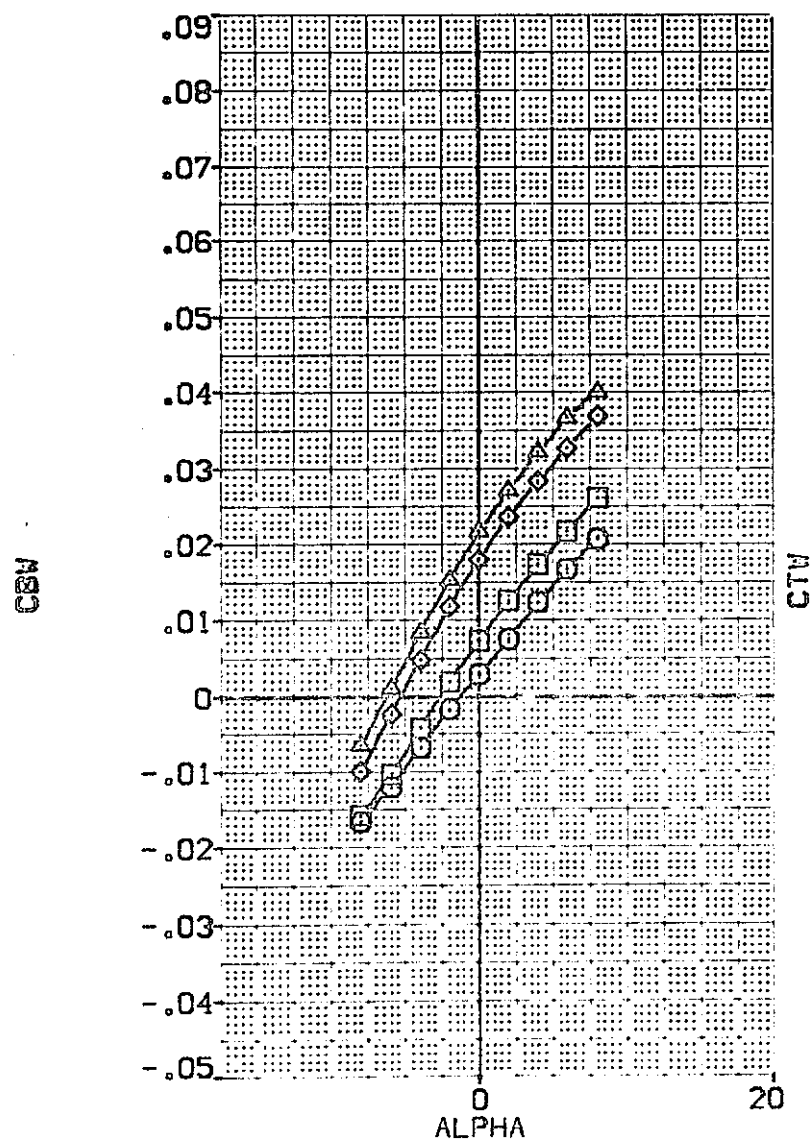





FIG 16 EFFECT OF YAW, DEO = 0, DEI = 12
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {AF7001}  IA70 01T123IP2F3
 {AF7002}  IA70 01T123IP2F3
 {AF7003}  IA70 01T123IP2F3

BETA	ELV-L1	ELV-L2	EFLAP	REFERENCE INFORMATION		
-0.000	12.000	4.000	.000	SREF	2850.0000	50. FT.
.000	12.000	4.000	.000	LREF	174.8000	IN.
0.000	12.000	4.000	.000	BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

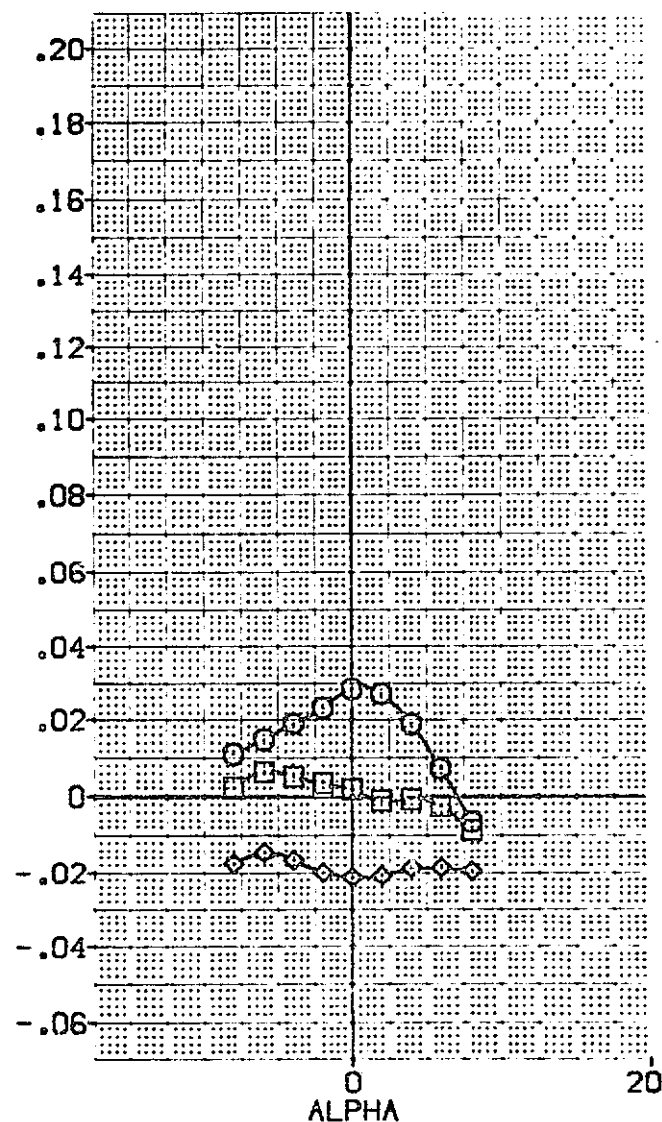
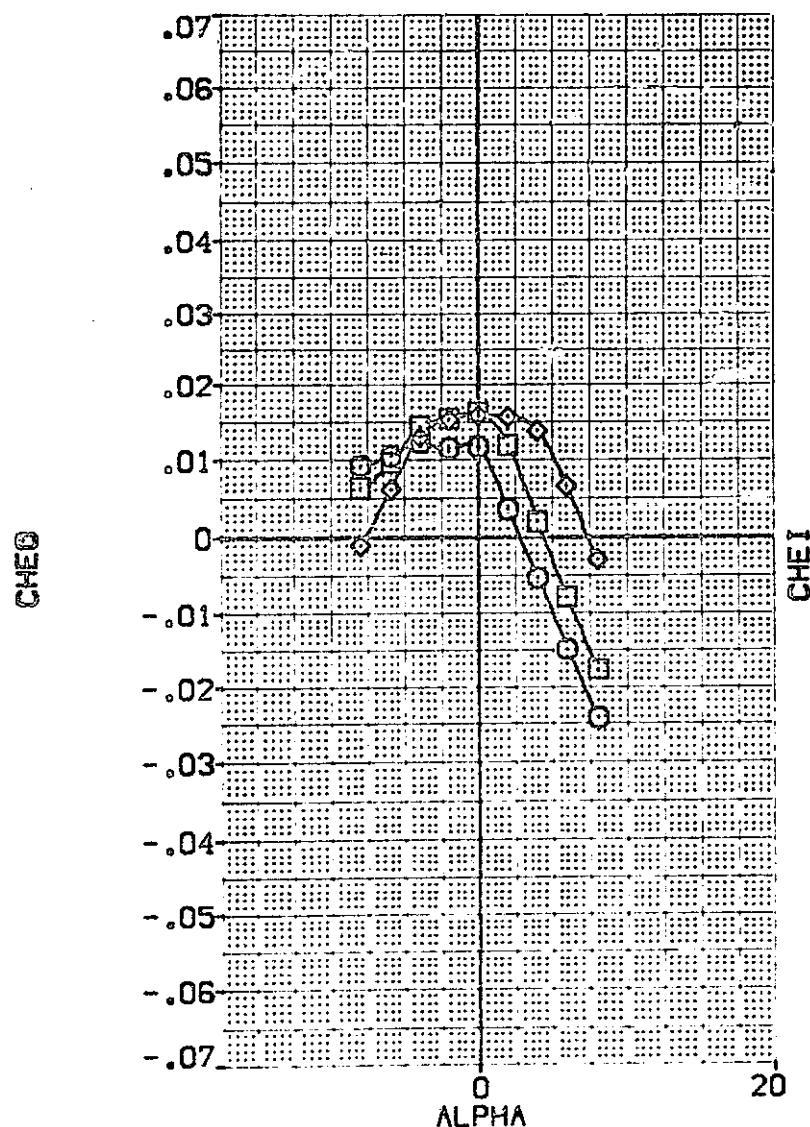


FIG 17 EFFECT OF YAW, DEO = 4, DEI = 12
 (A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [AF7031] ○ 1A70 01T12SIP2P8
 [CF7006] □ 1A70 01T12SIP2P8
 [AF7030] ◇ 1A70 01T12SIP2P8

BETA	ELV-LI	ELV-LO	BFLAP	REFERENCE INFORMATION		
-9.000	12.000	4.000	.000	SREF	2690.0000	50.FT.
.000	12.000	4.000	.000	LREF	474.8000	IN.
9.000	12.000	4.000	.000	BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

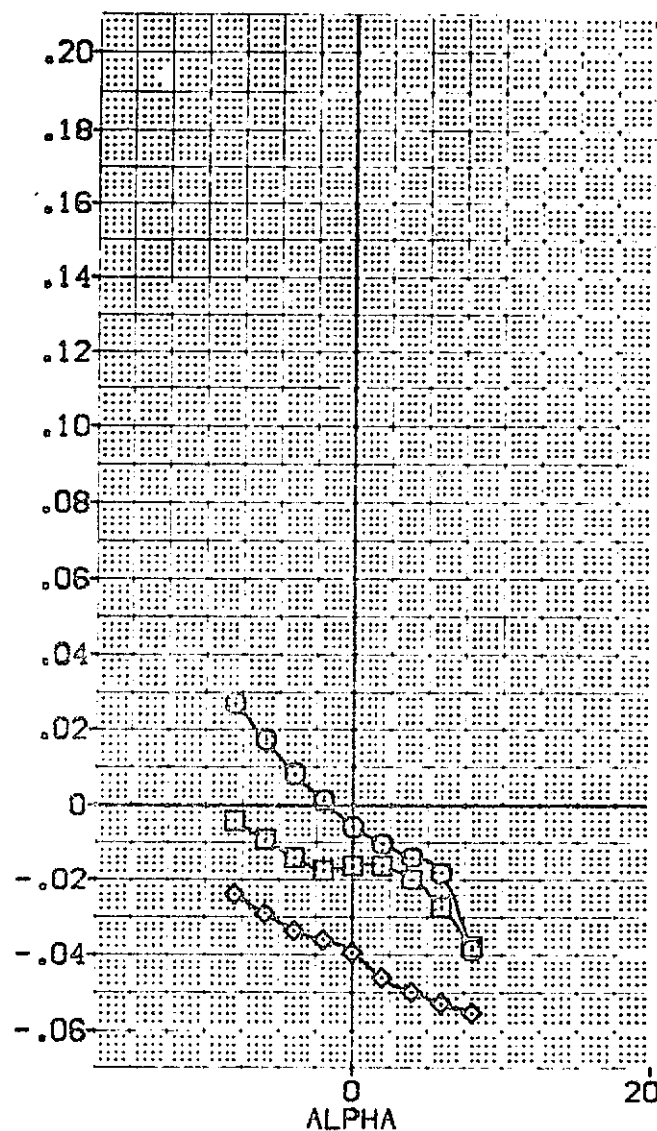
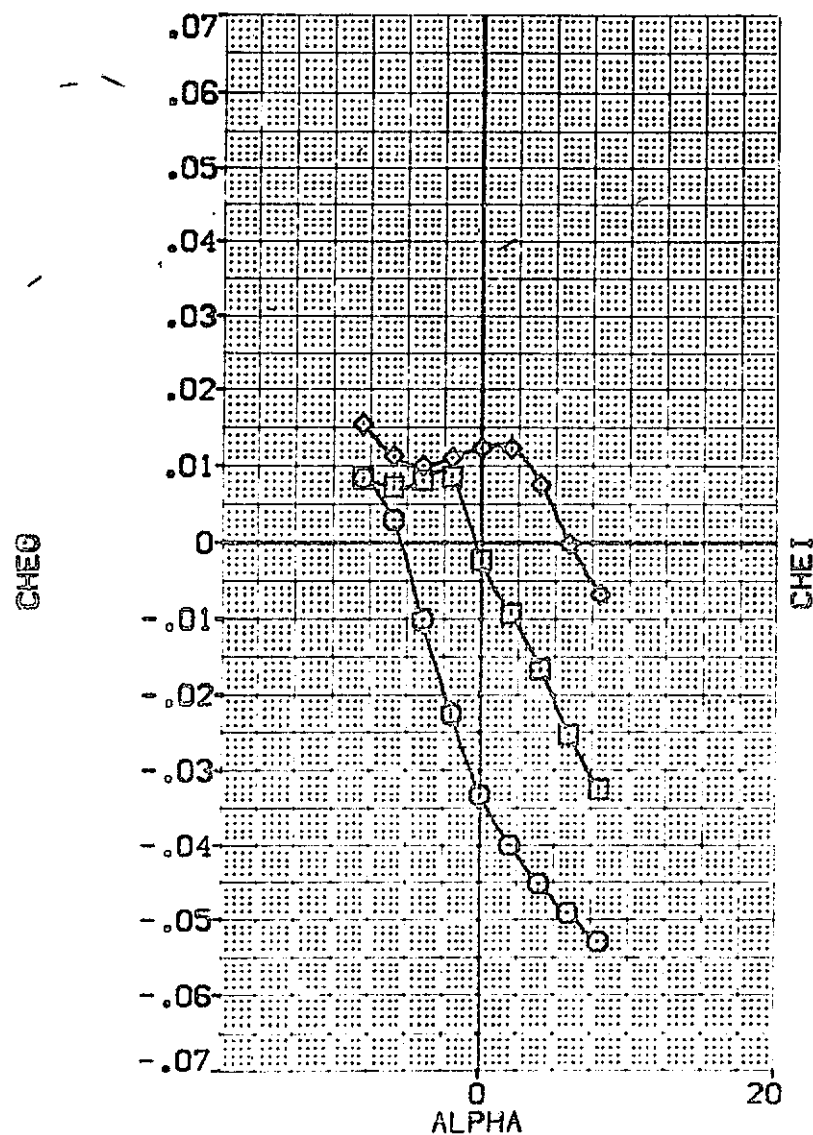


FIG 17 EFFECT OF YAW, DEO = 4, DEI = 12
 (B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AF7031) ○ 1A70 01T12SIP2F3
 (AF7005) □ 1A70 01T12SIP2F3
 (AF7030) ◇ 1A70 01T12SIP2F3

EEVA	ELV-LI	ELV-LB	ELAP	REFERENCE INFORMATION	
-3.000	12.000	4.000	.000	SREF	2690.0000 SO.FT.
.000	12.000	4.000	.000	LREF	474.8000 IN.
0.000	12.000	4.000	.000	BREF	935.7000 IN.
				XMRP	.0000 IN. VT
				YMRP	.0000 IN. YI
				ZMRP	.0000 IN. ZT
				SCALE	.0150

BODY FLAP HINGEMOMENT COEFFICIENT, C_{HBF}

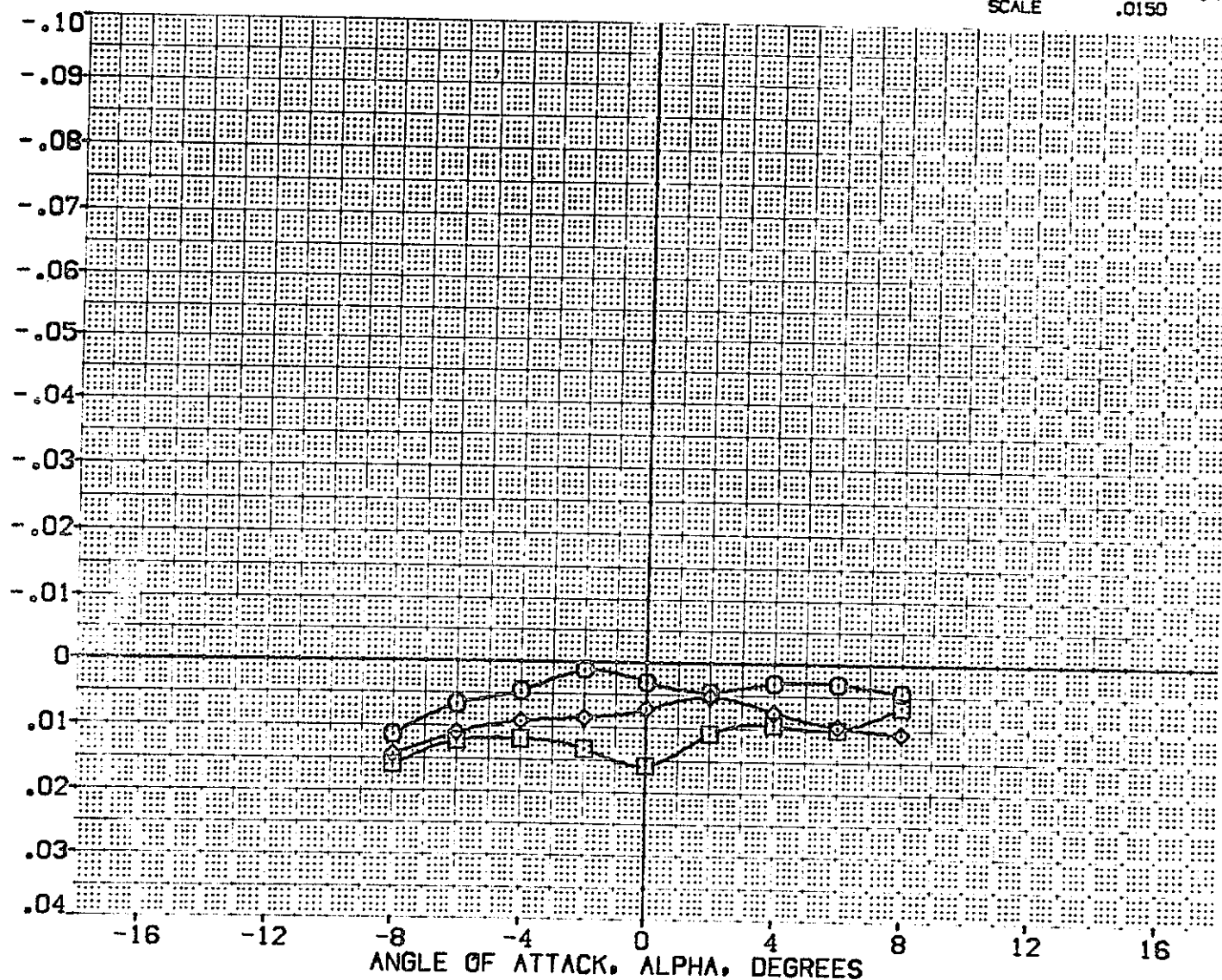


FIG 17 EFFECT OF YAW, DEO = 4, DEI = 12
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7031] ○	1A70 01T12S1P2P8
[CF7036] ◇	1A70 01T12S1P2P8
[AF7030] □	1A70 01T12S1P2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION
-8.000	12.000	4.000	.000	SREF 2690.0000 SQ.FT.
.000	12.000	4.000	.000	LREF 474.8000 IN.
8.000	12.000	4.000	.000	BREF 936.7000 IN.
				XMRP .0000 IN. XT
				YMRP .0000 IN. YT
				ZMRP .0000 IN. ZT
				SCALE .0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

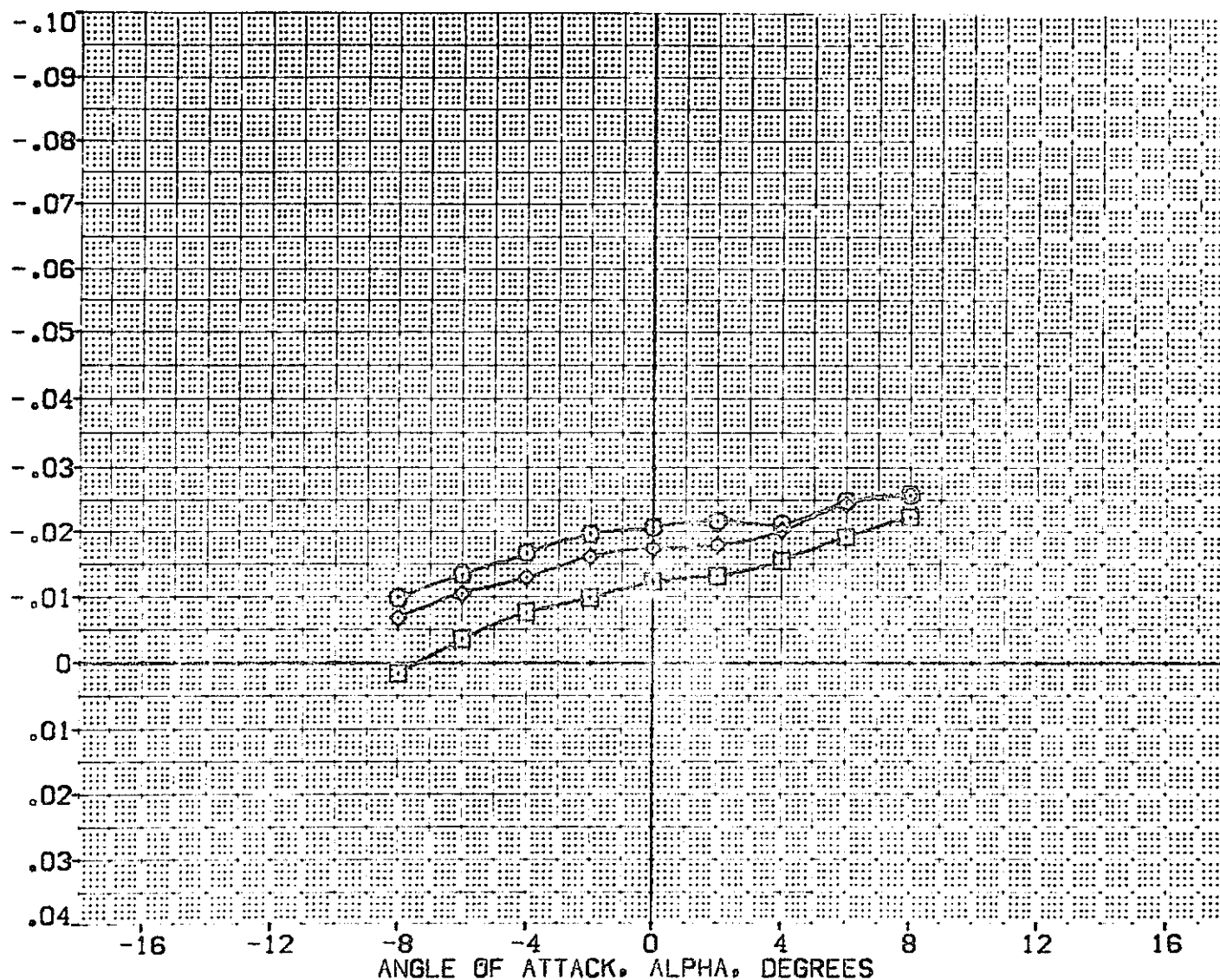





FIG 17 EFFECT OF YAW, DEO = 4, DEI = 12
(B)MACH = 1.12

DATA SET SWGOL CONFIGURATION DESCRIPTION

(AF7001)  1A70 01T1231P2F3
 (AF7005)  1A70 01T1231P2F3
 (AF7030)  1A70 01T1231P2F3

ETA	ELV-L1	ELV-L0	EFLAP	REFERENCE INFORMATION		
-0.000	12.000	4.000	.000	SREF	2650.0000	50.FT.
.000	12.000	4.000	.000	LREF	474.8000	IN.
0.000	12.000	4.000	.000	SREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

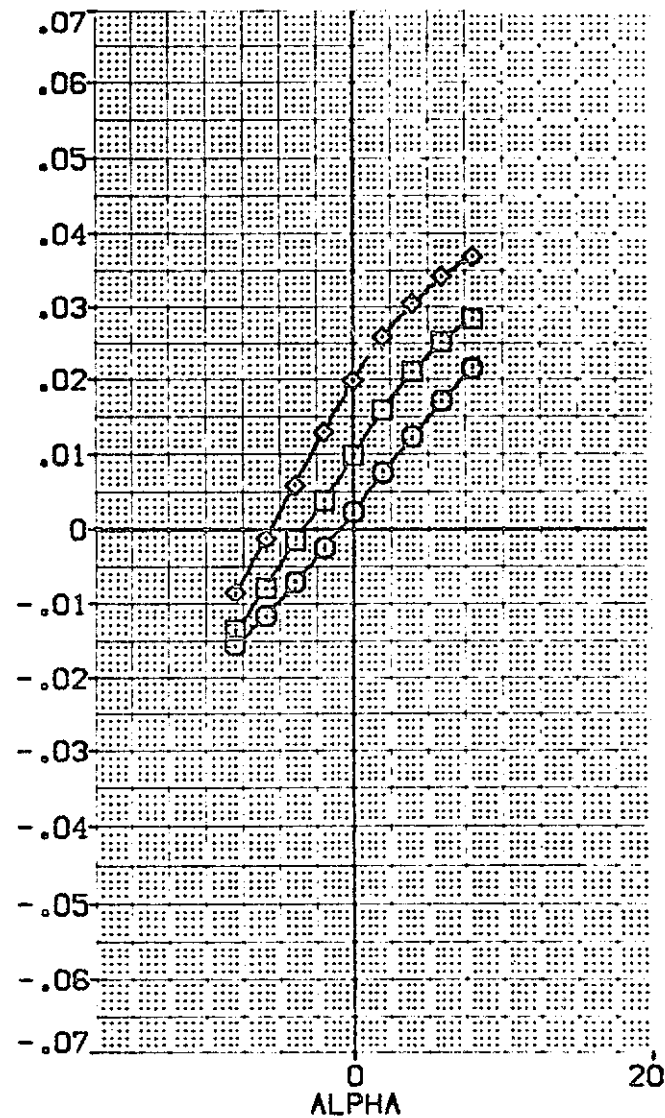
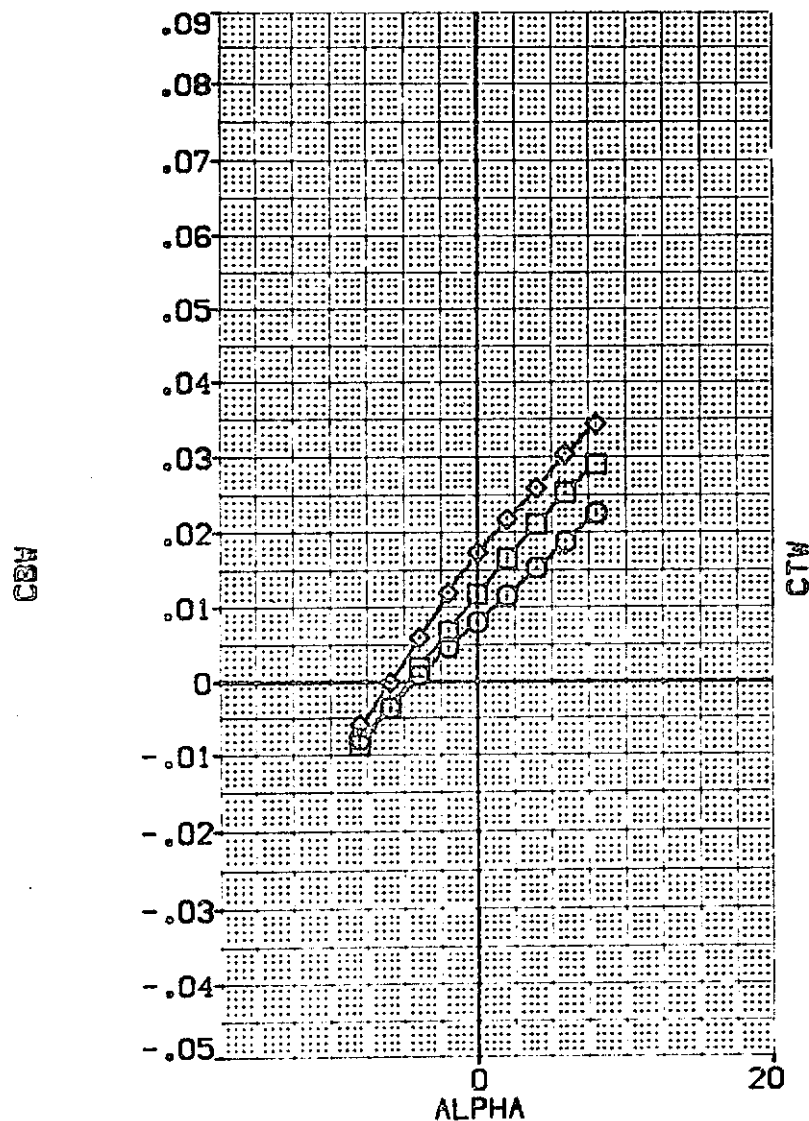


FIG 17 EFFECT OF YAW, DEO = 4, DEI = 12
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7031}	1A70 01T12SIP2P8
{CF7005}	1A70 01T12SIP2P8
{AF7030}	1A70 01T12SIP2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION		
-8.000	12.000	4.000	.000	SREF	2690.0000	50.FT.
.000	12.000	4.000	.000	LREF	474.8000	IN.
8.000	12.000	4.000	.000	BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

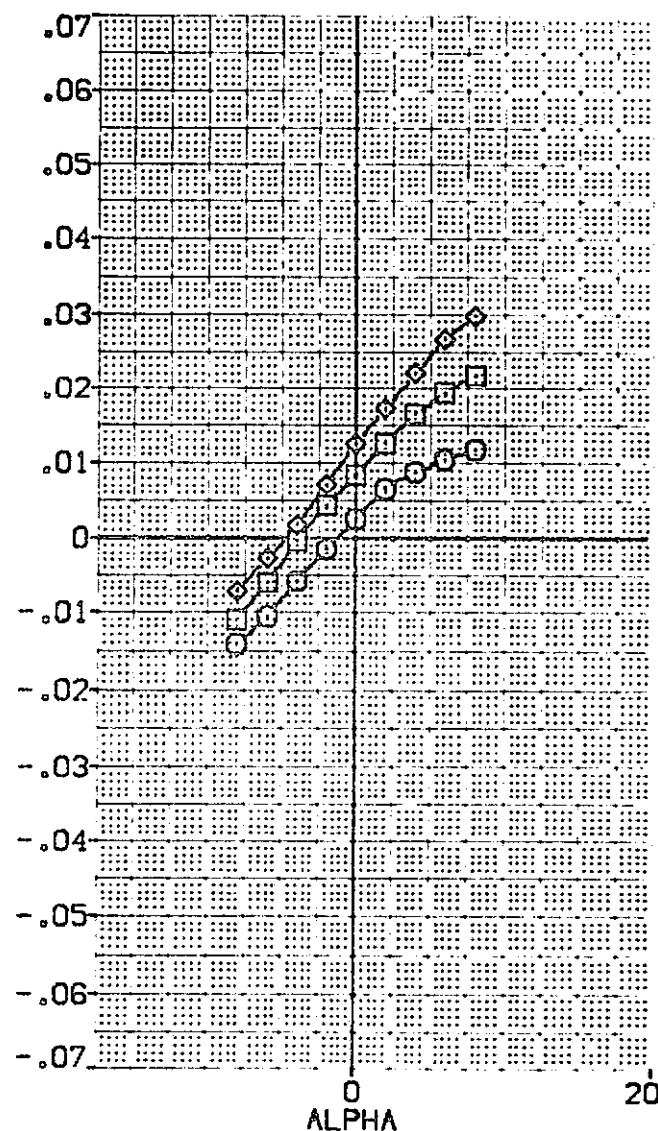
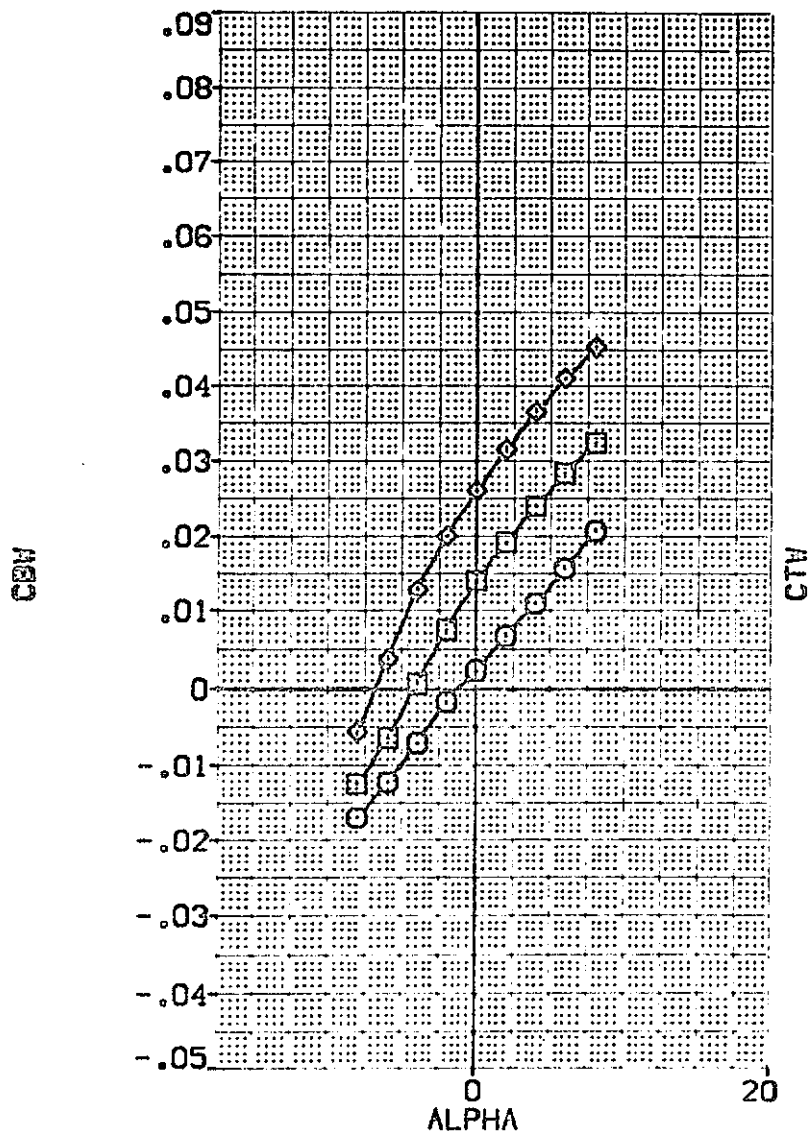


FIG 17 EFFECT OF YAW, DEO = 4, DEI = 12
(B)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7030] ○ 1A70 81T1251P2F3
 [CF7003] □ 1A70 81T1251P2F3
 [AF7002] ◇ 1A70 81T1251P2F3

BETA	SLV-LI	SLV-LB	SLAP	REFERENCE INFORMATION	
-0.000	4.000	4.000	.000	SREF 2680.0000	50.FT.
.000	4.000	4.000	.000	LREF 474.6000	IN.
.000	4.000	4.000	.000	BREF 936.7000	IN.
				XMRP .0000	IN. XT
				YMRP .0000	IN. YT
				ZMRP .0000	IN. ZT
				SCALE .0150	

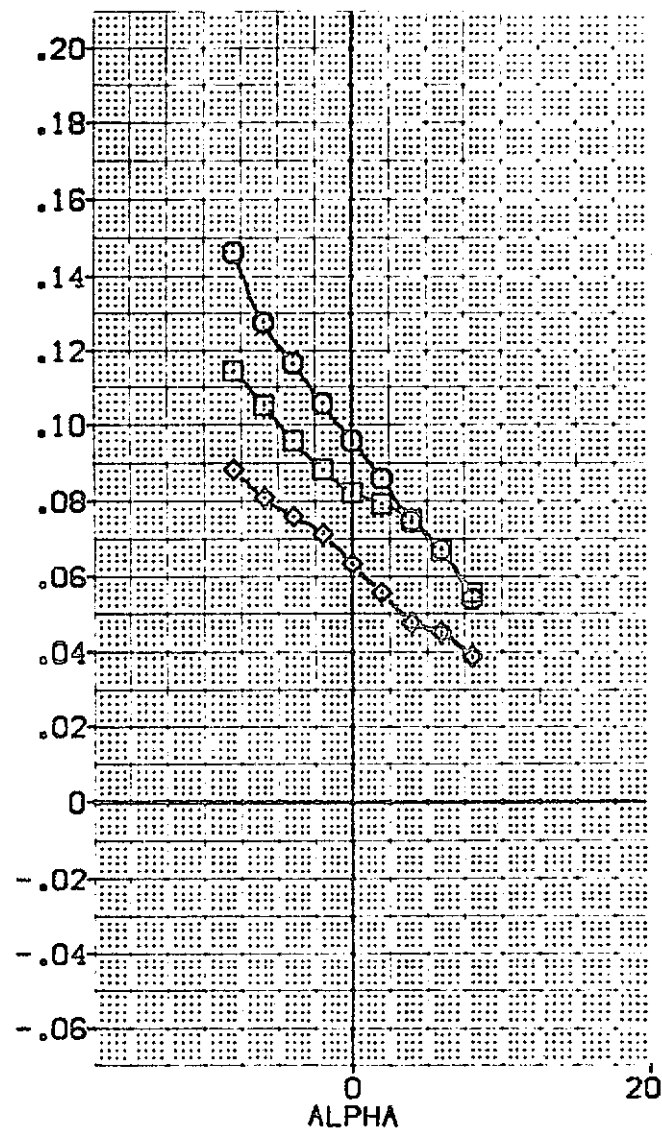
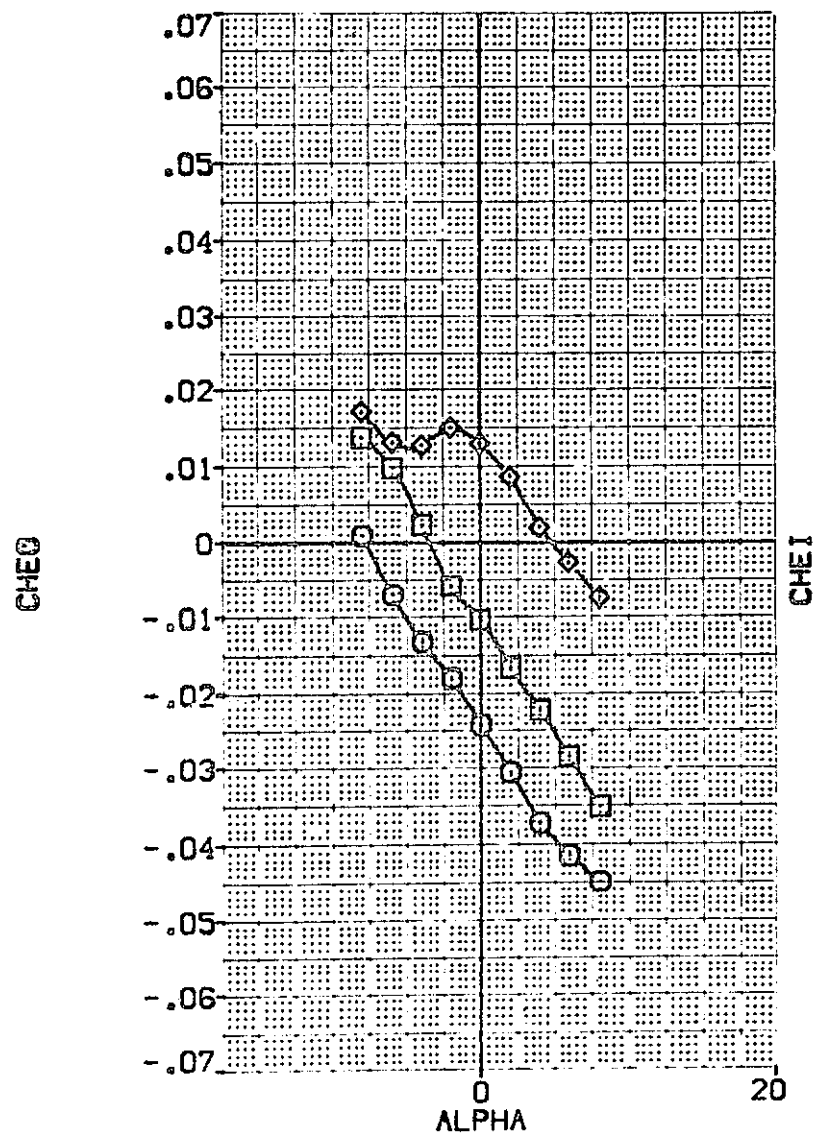


FIG 18 EFFECT OF YAW, DEO = 4, DEI = 4
 (A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7033] ○ 1A70 01T12S1P2P8
 [CF7009] □ 1A70 01T12S1P2P8
 [AF7032] ◇ 1A70 01T12S1P2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION	
-8.000	4.000	4.000	.000	SREF	2690.0000 SQ.FT.
.000	4.000	4.000	.000	LREF	474.8000 IN.
8.000	4.000	4.000	.000	BREF	936.7000 IN.
				XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

BODY FLAP HINGEMENT COEFFICIENT, CHBF

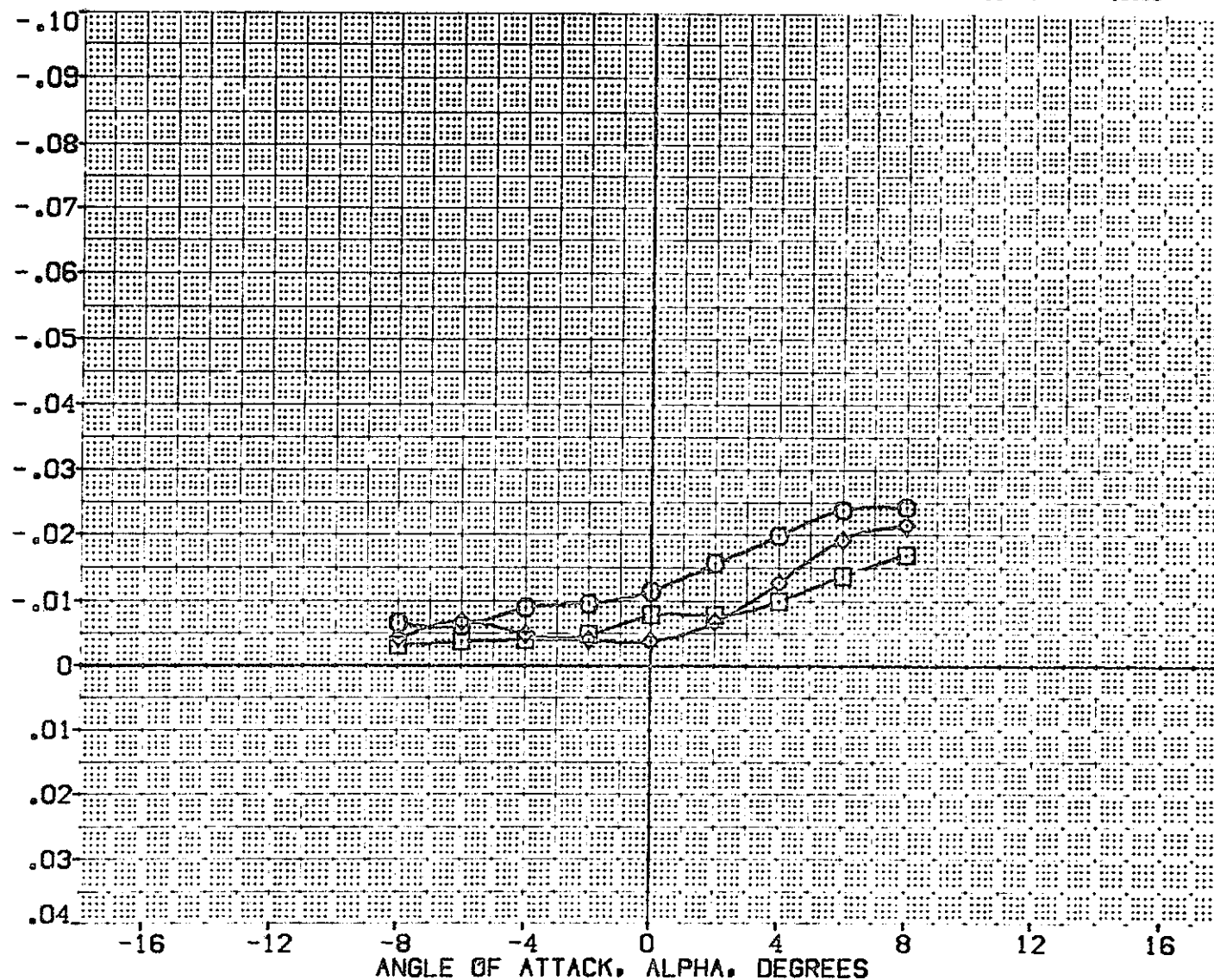


FIG 18 EFFECT OF YAW, DEO = 4, DEI = 4
 (A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7000]	○	1A70 01T12S1P2F0
[AF7009]	□	1A70 01T12S1P2F0
[AF7032]	◇	1A70 01T12S1P2F0

BETA	ELV-L1	ELV-L6	BFLAP	REFERENCE INFORMATION		
-0.000	4.000	4.000	.000	SREF	2650.0000	50.FT.
.000	4.000	4.000	.000	LREF	474.8000	IN.
0.000	4.000	4.000	.000	BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

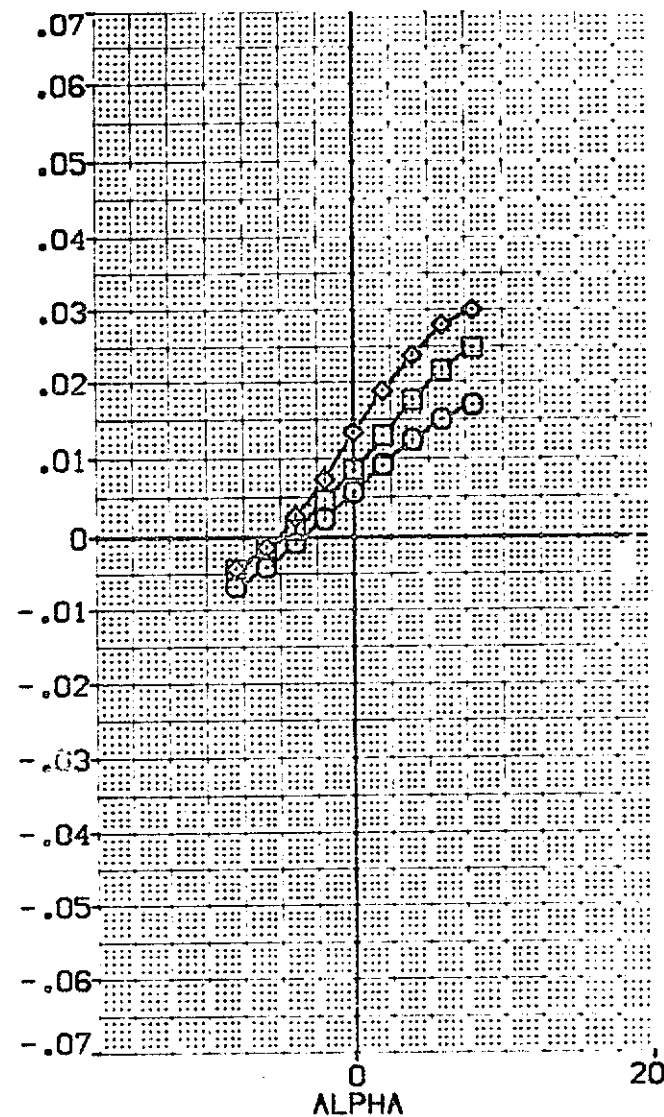
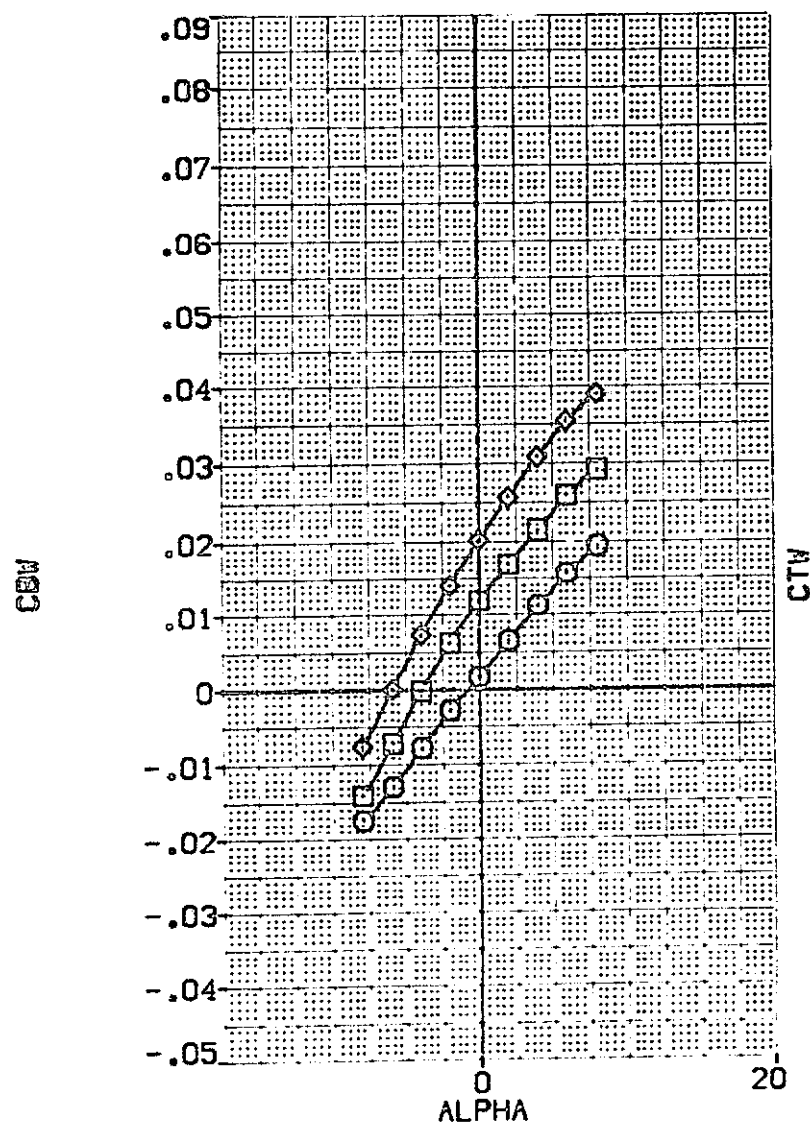


FIG 18 EFFECT OF YAW, DEO = 4, DEI = 4
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7035] \square 1A70 01T12S1P2P8
 [CF7013] \square 1A70 01T12S1P2P8
 [AF7034] \diamond 1A70 01T12S1P2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION	
-8.000	8.000	8.000	.000	SREF	2690.0000 SQ.FT.
.000	8.000	8.000	.000	LREF	474.8000 IN.
8.000	8.000	8.000	.000	BREF	936.7000 IN.
				XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

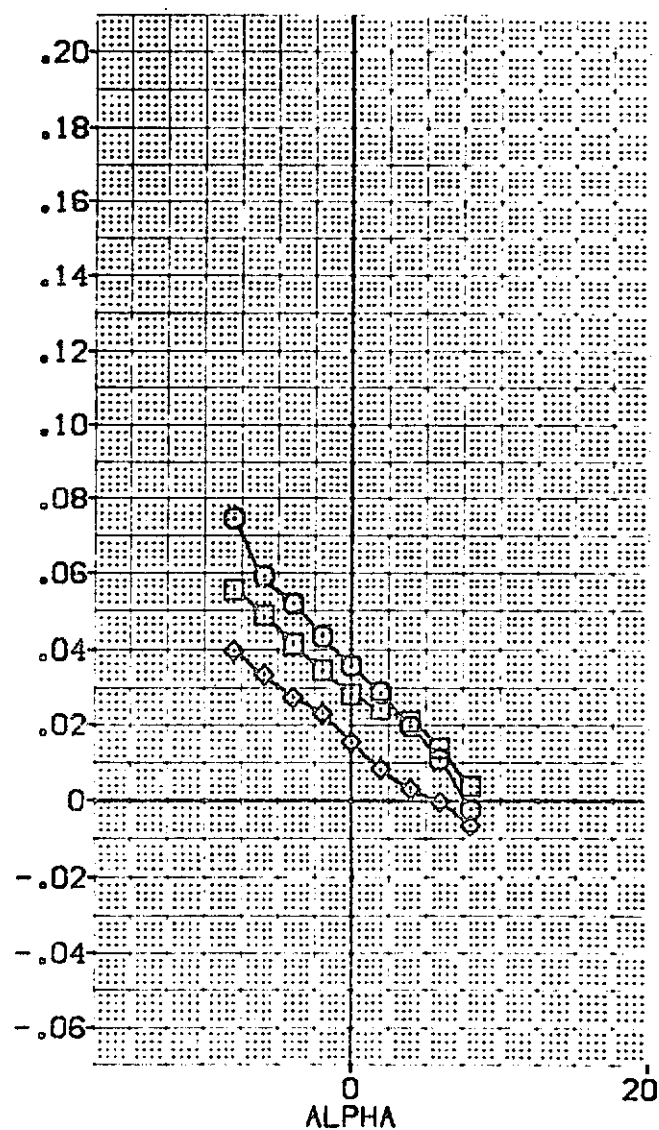
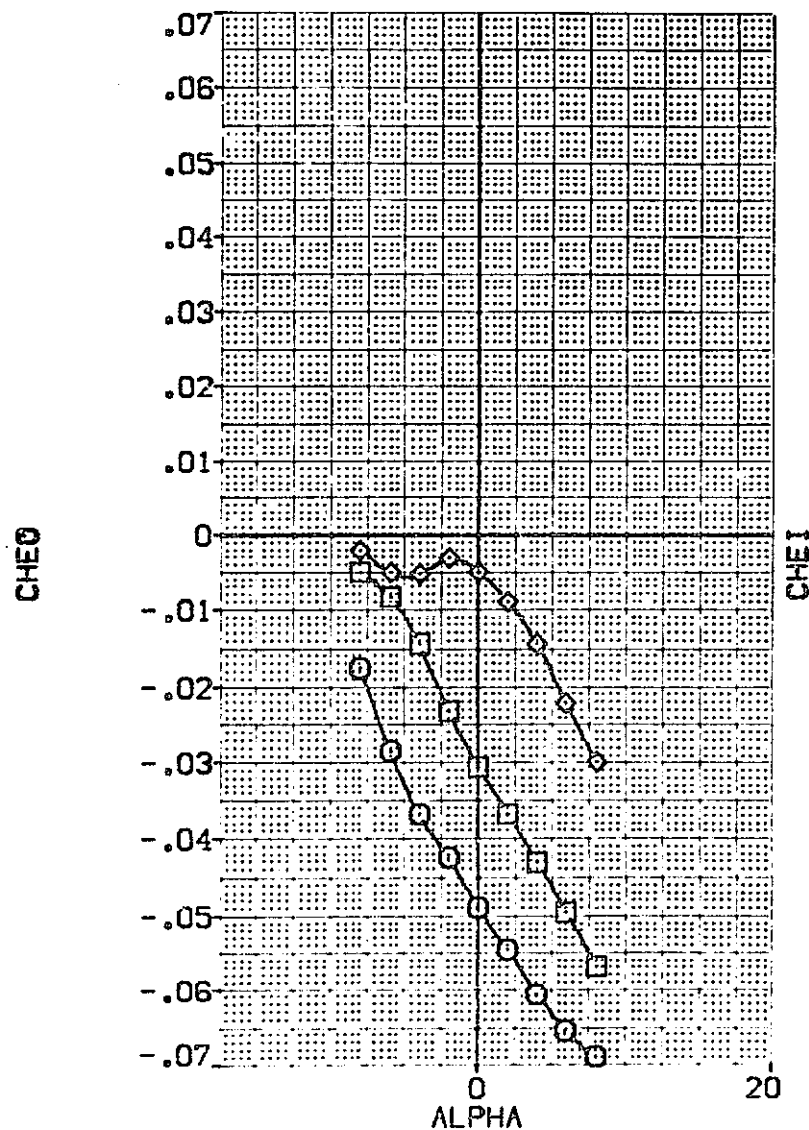


FIG 19 EFFECT OF YAW, DE0 = 8, DE1 = 8

(A) MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7023]	1A70 81T125IP278
[CF7013]	1A70 81T125IP278
[AF7024]	1A70 81T125IP278

ETA	ELV-LI	ELV-LB	EFLAP	REFERENCE INFORMATION		
-0.000	0.000	0.000	.000	SREF	2690.0000	50.FT.
.000	0.000	0.000	.000	LREF	474.8000	IN.
0.000	0.000	0.000	.000	EREF	933.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

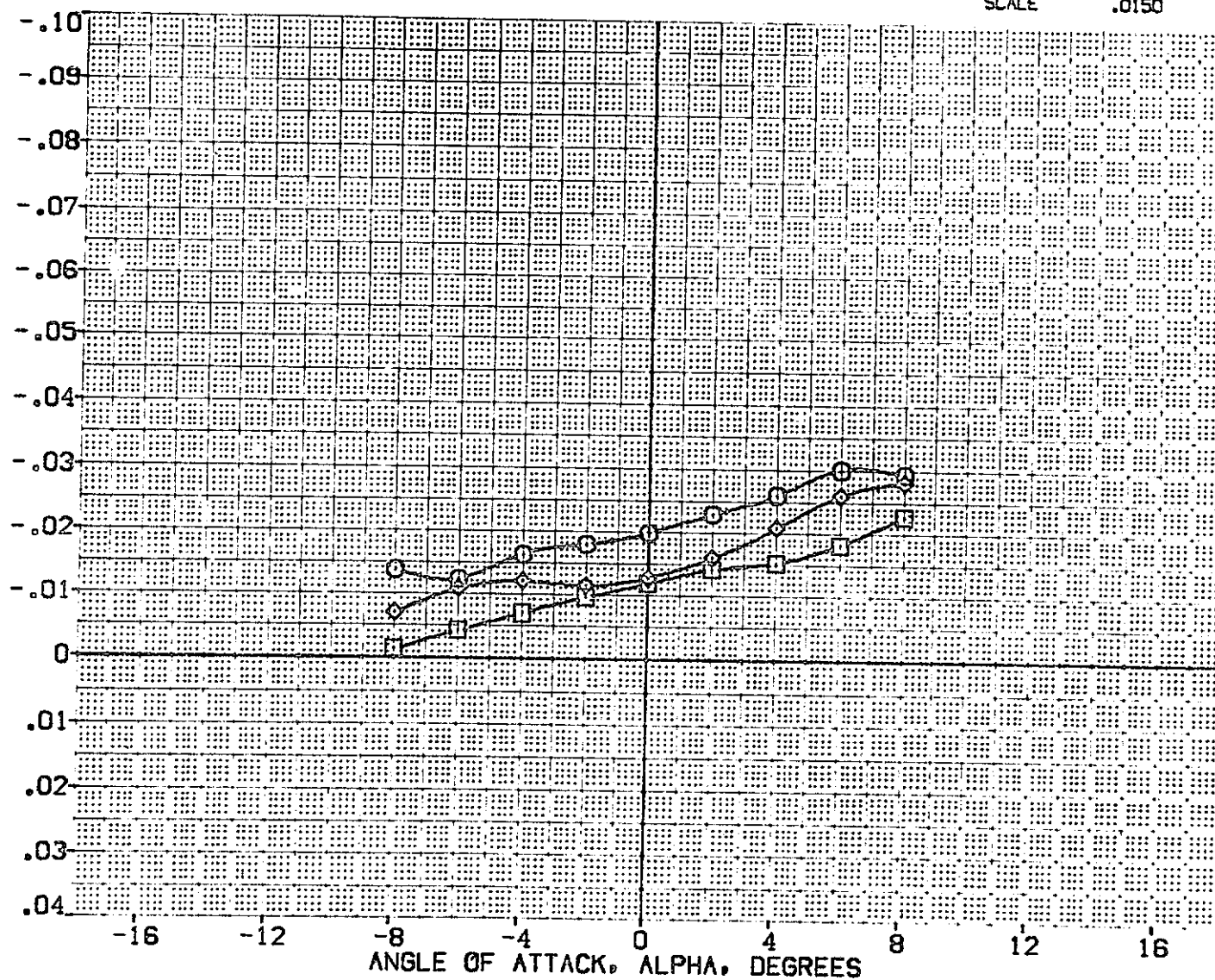


FIG 19 EFFECT OF YAW, DEO = 8, DEI = 8
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7035} □ 1A70 01T12S1P2P8
{CF7013} □ 1A70 01T12S1P2P8
{AF7034} ◇ 1A70 01T12S1P2P8

BETA	ELV-LI	ELV-L0	BFLAP	REFERENCE INFORMATION		
-8.000	8.000	8.000	.000	SREF	2690.0000	SQ.FT.
.000	8.000	8.000	.000	LREF	474.8000	IN.
8.000	8.000	8.000	.000	BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

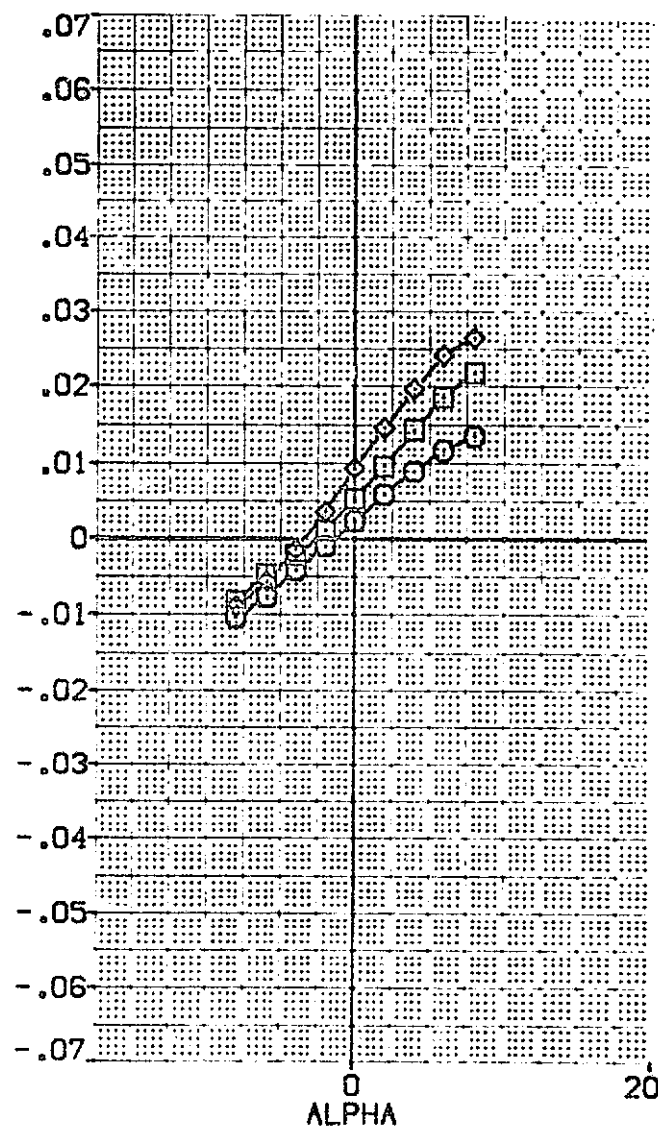
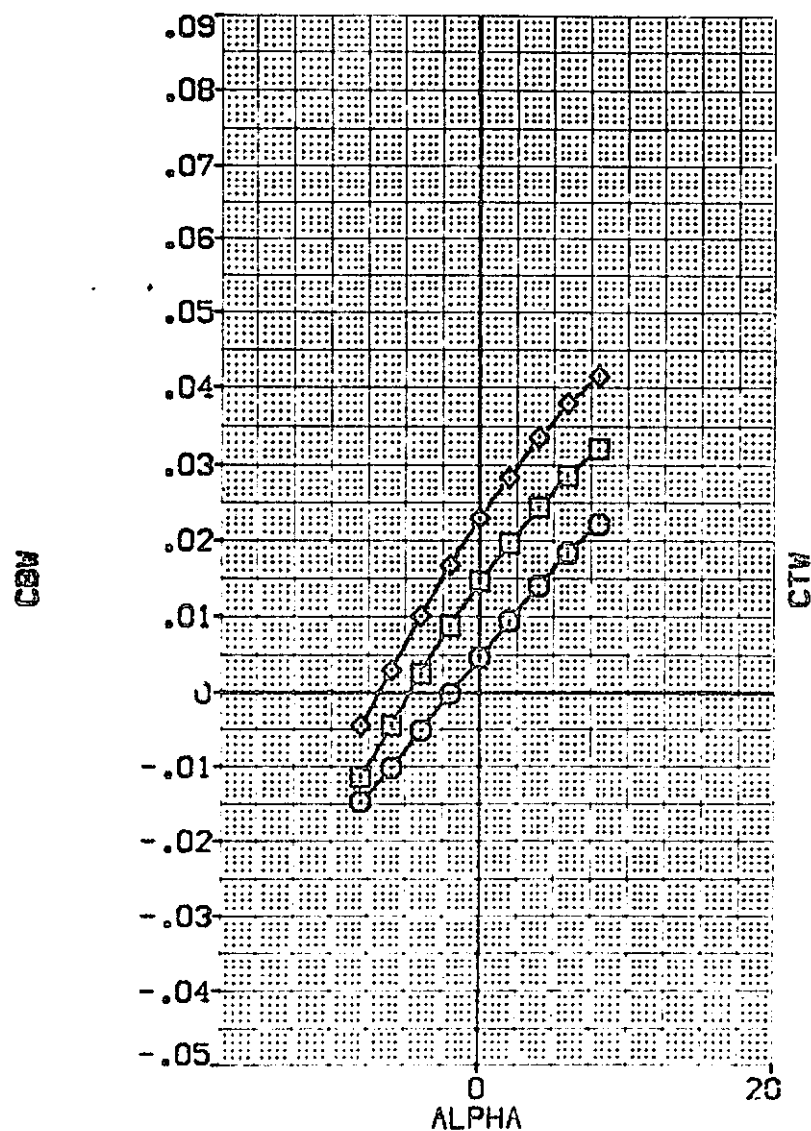


FIG 19 EFFECT OF YAW, DEO = 8, DEI = 8
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {AF7007} □ 1A70 01T12SIP2F3
 {AF7002} ◇ 1A70 01T12SIP2F3
 {AF7003} ◇ 1A70 01T12SIP2F3

ETA	ELV-L1	ELV-L0	EPLAP	REFERENCE INFORMATION		
-0.000	.000	.000	.000	SREF	2650.0000	50. FT.
.000	.000	.000	.000	LREF	474.6000	IN.
0.000	.000	.000	.000	BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

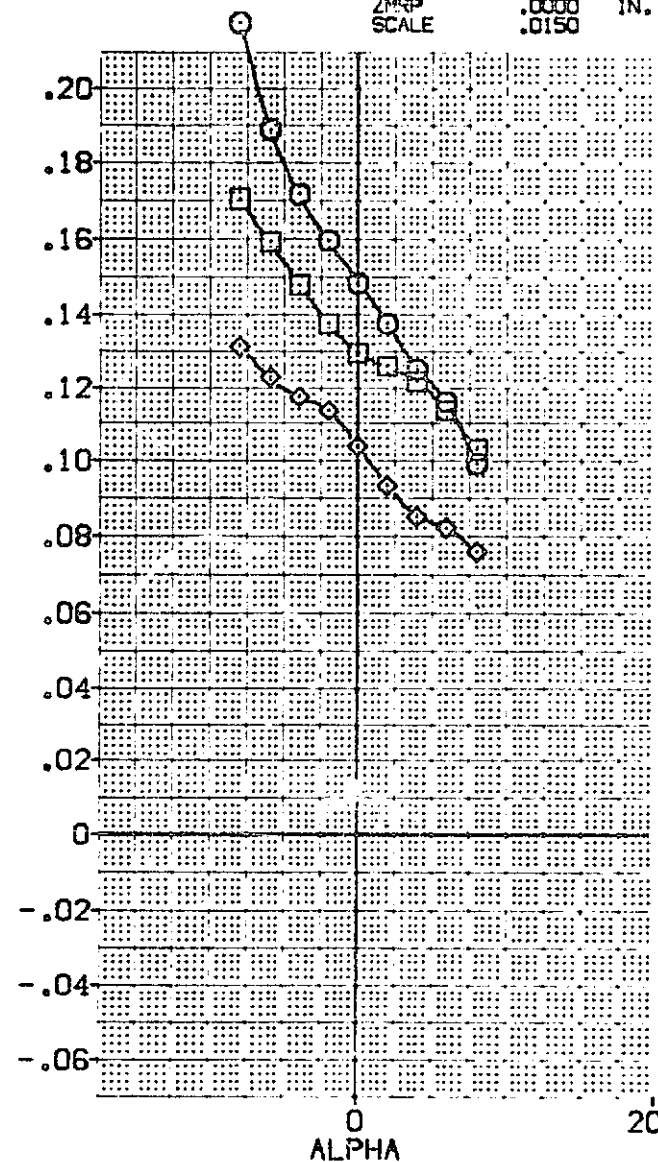
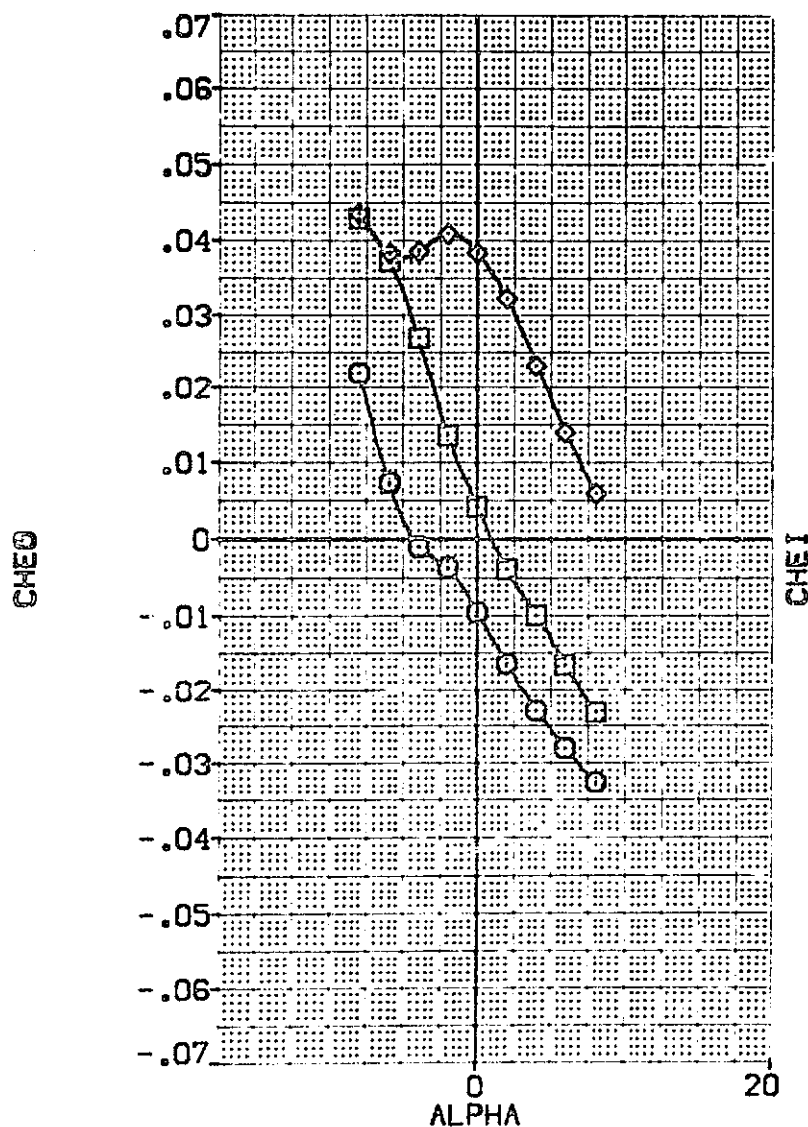


FIG 20 EFFECT OF YAW, DEO = 0, DEI = 0
 (A)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7037]	IA70 01T12SIP2P8
[DF7002]	IA70 01T12SIP2P8
[AF7035]	IA70 01T12SIP2P8

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION		
-9.000	.000	.000	.000	SREF	2690.0000	SQ.FT.
.000	.000	.000	.000	LREF	474.8000	IN.
8.000	.000	.000	.000	BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

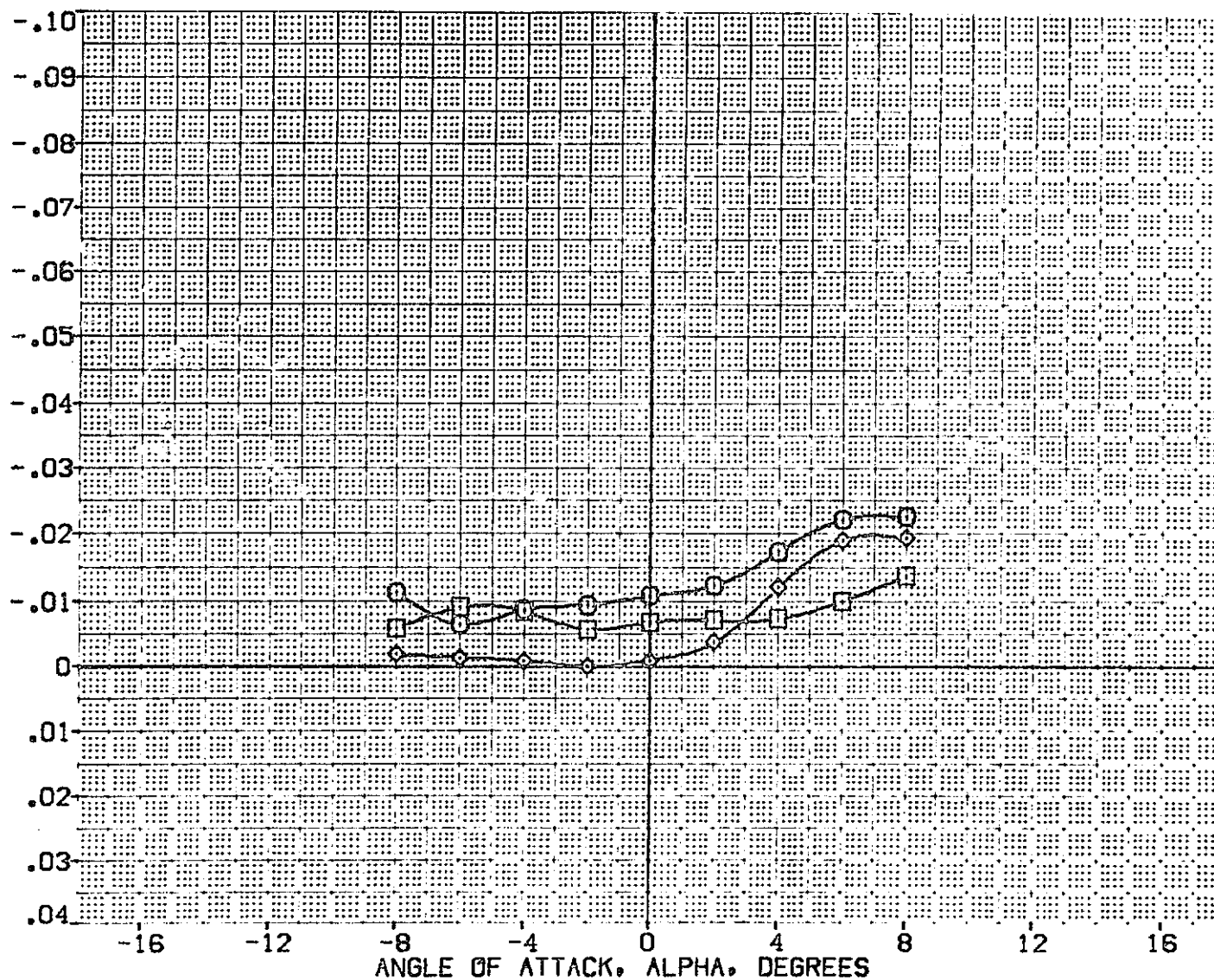


FIG 20 EFFECT OF YAW, DEO = 0, DEI = 0

(A)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7037]	IA70 01T125IP2P3
[AF7038]	IA70 01T125IP2P3
[AF7039]	IA70 01T125IP2P3

BETA	ELV-LI	ELV-LQ	SFLAP	REFERENCE INFORMATION		
-0.000	.000	.000	.000	SREF	2890.0000	50. FT.
0.000	.000	.000	.000	LREF	474.8000	IN.
0.000	.000	.000	.000	BREF	935.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

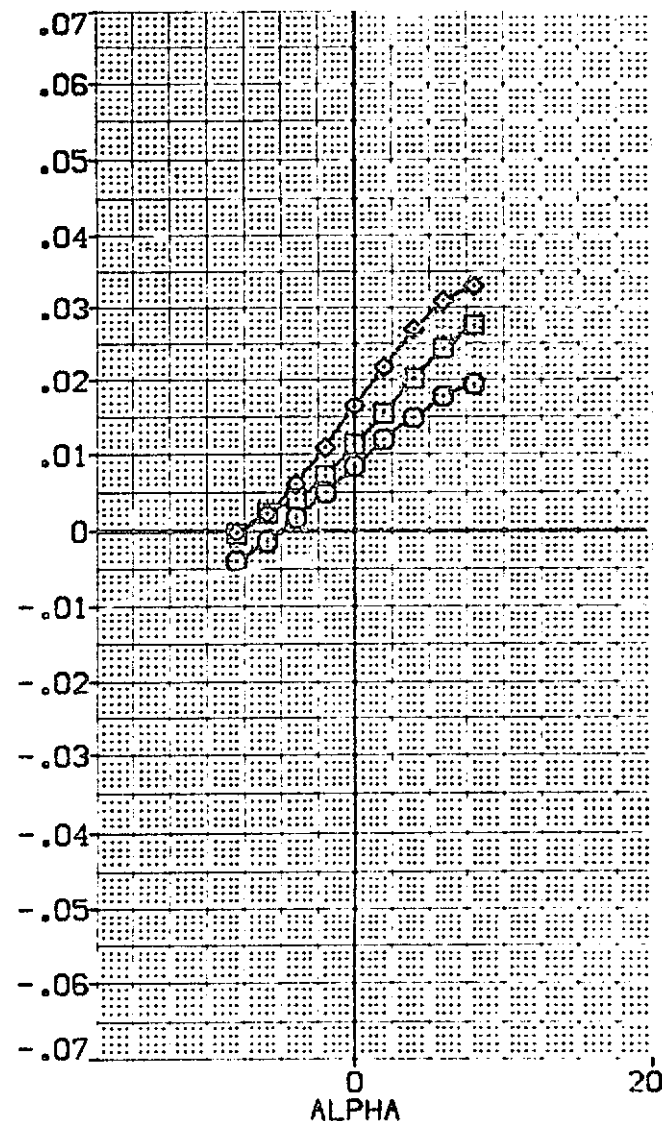
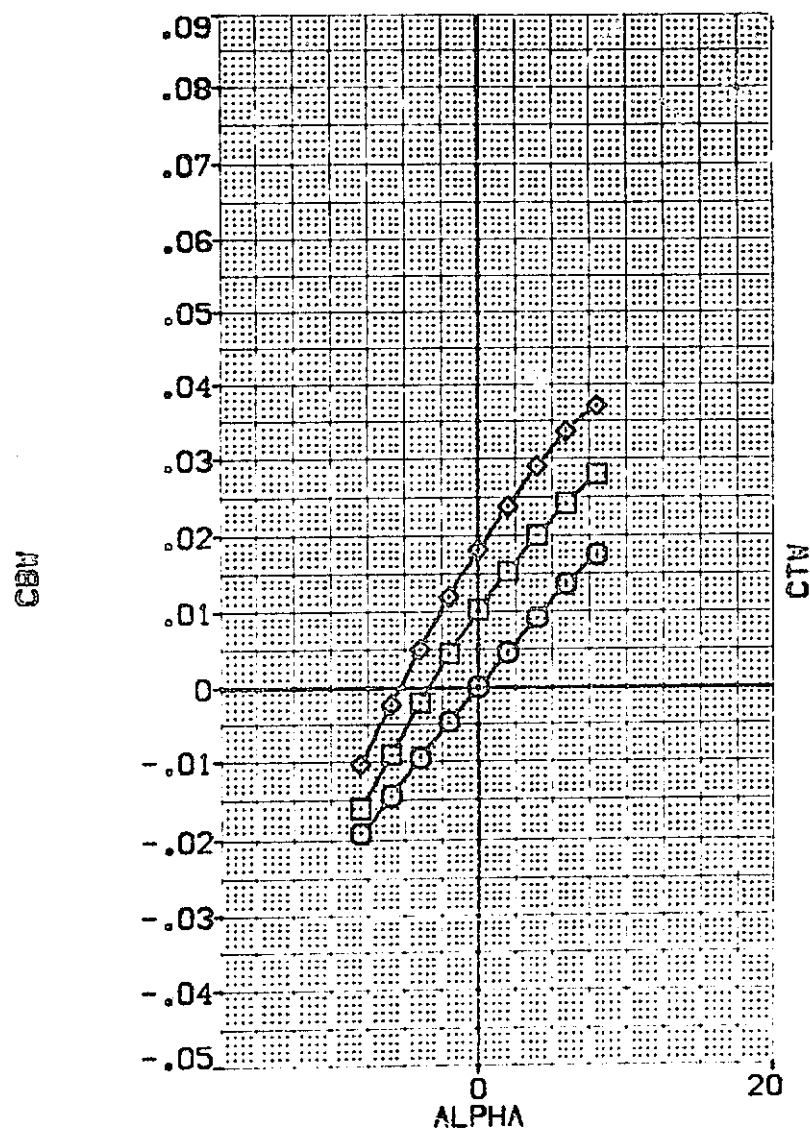


FIG 20 EFFECT OF YAW, DE0 = 0, DE1 = 0
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[DF7002] ○ 1A70 01T12S1P2P8
[AF7008] □ 1A70 01T12S1P2P9

ELV-L1	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF 2650.0000	SQ.FT.
.000	.000	.000	.000	LREF 474.8000	IN.
				BREF 936.7000	IN.
				XMRP .0000	IN. XT
				YMRP .0000	IN. YT
				ZMRP .0000	IN. ZT
				SCALE .0150	

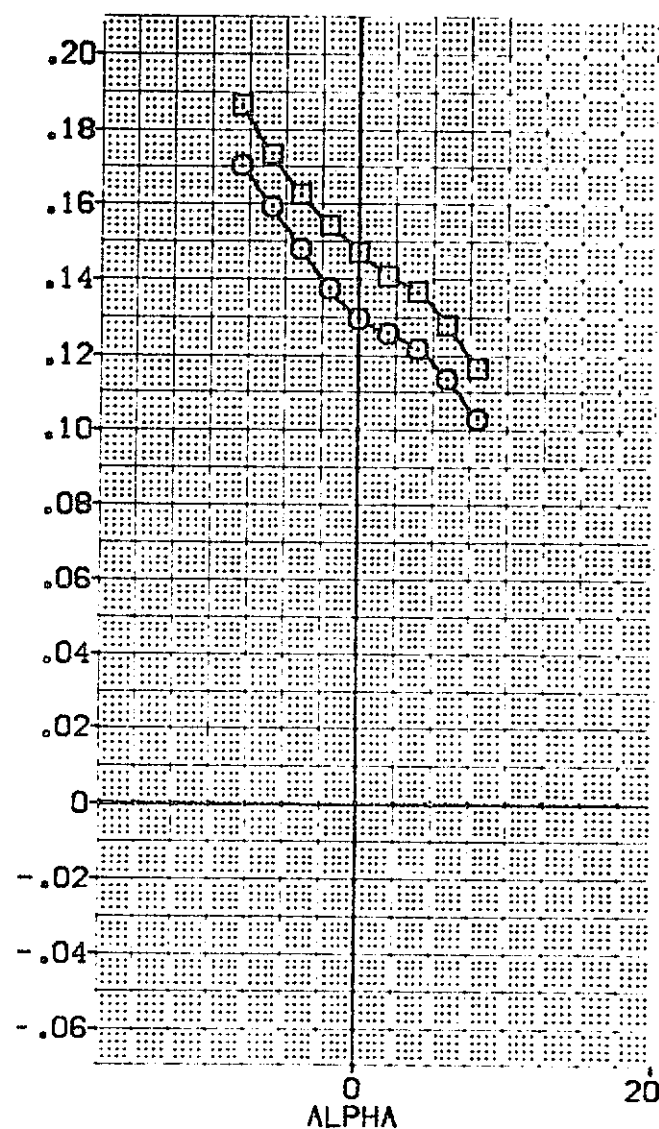
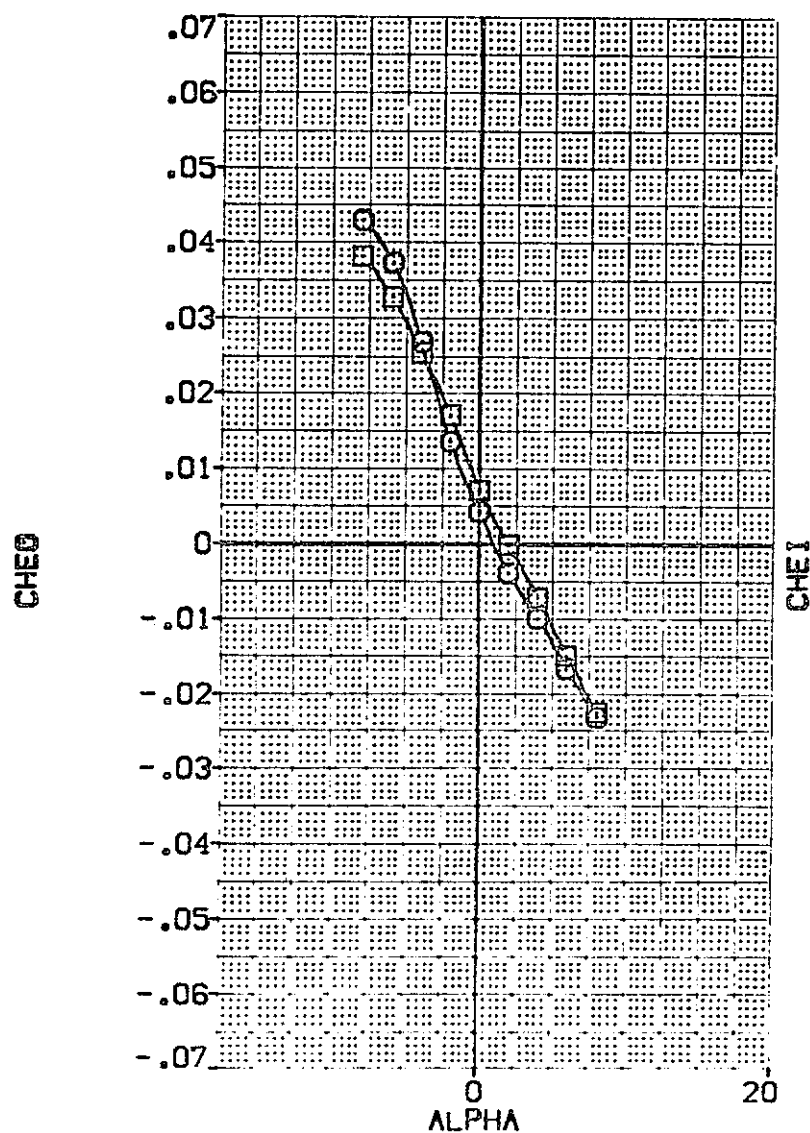


FIG 21 EFFECT OF REAR ATTACH POINT CROSSBEAM, ELEVON = 0
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{07002} 0 1A70 01T12SIP2P9
{AF7003} 0 1A70 01T12SIP2P9

ELV-L1	ELV-L0	EPLAP	BETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF 2650.0000	SO.FT.
.000	.000	.000	.000	LREF 474.6000	IN.
				BREF 936.7000	IN.
				XMRP .0000	IN. XT
				YMRP .0000	IN. YT
				ZMRP .0000	IN. ZT
				SCALE .0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

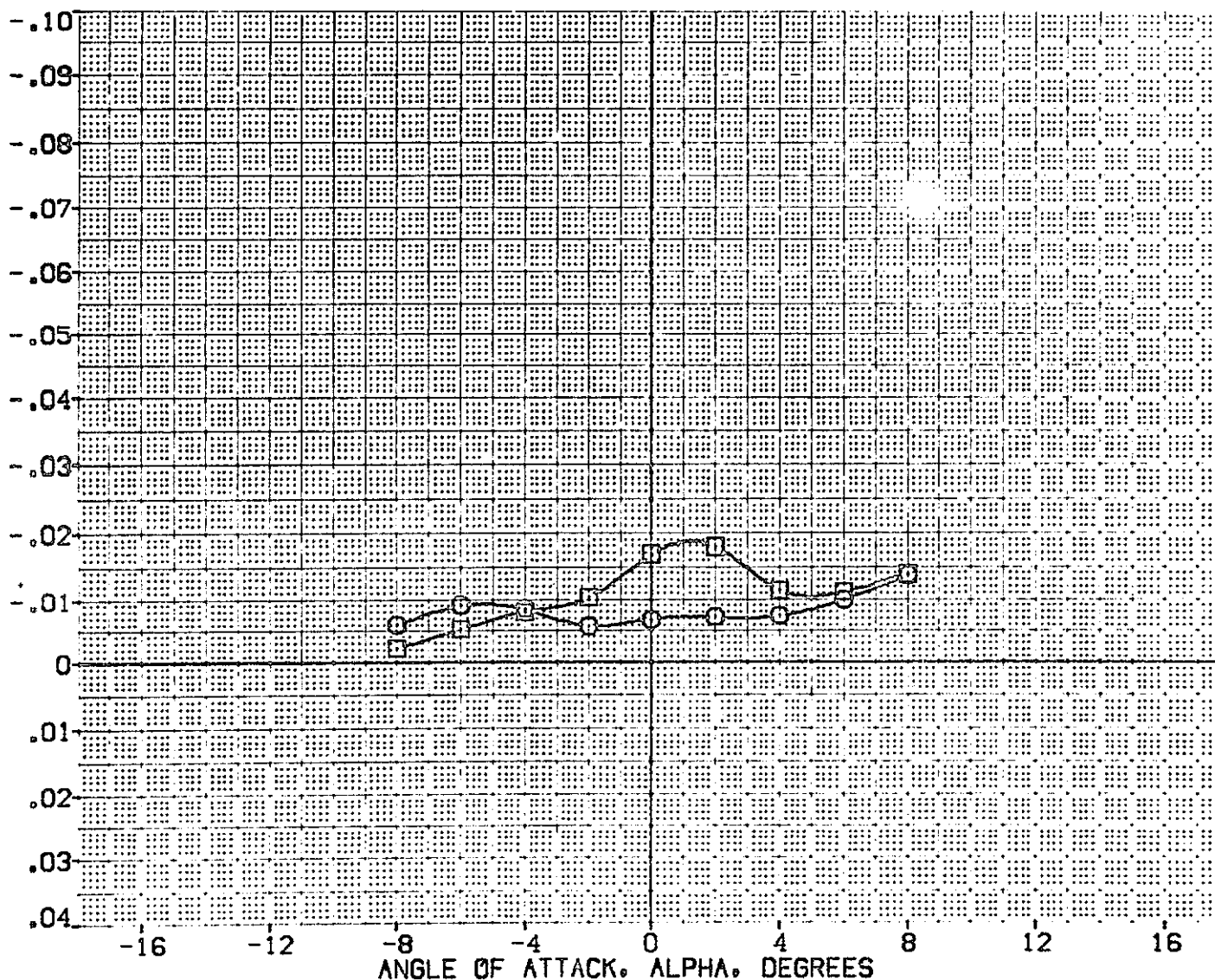


FIG 21 EFFECT OF REAR ATTACH POINT CROSSBEAM, ELEVON = 0

(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {DF7000} [A70 011251P2P8
 {AF7000} [A70 011251P2P9

ELV-LI	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2690.0000 SQ.FT.
.000	.000	.000	.000	LREF	474.8000 IN.
				BREF	936.7000 IN.
				XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

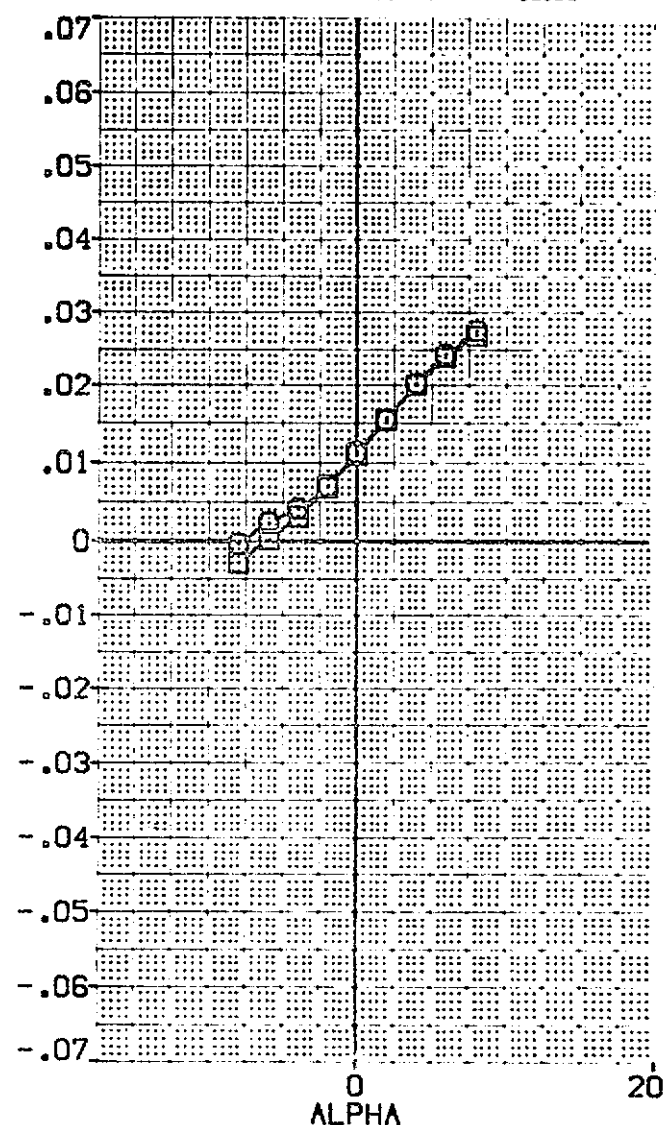
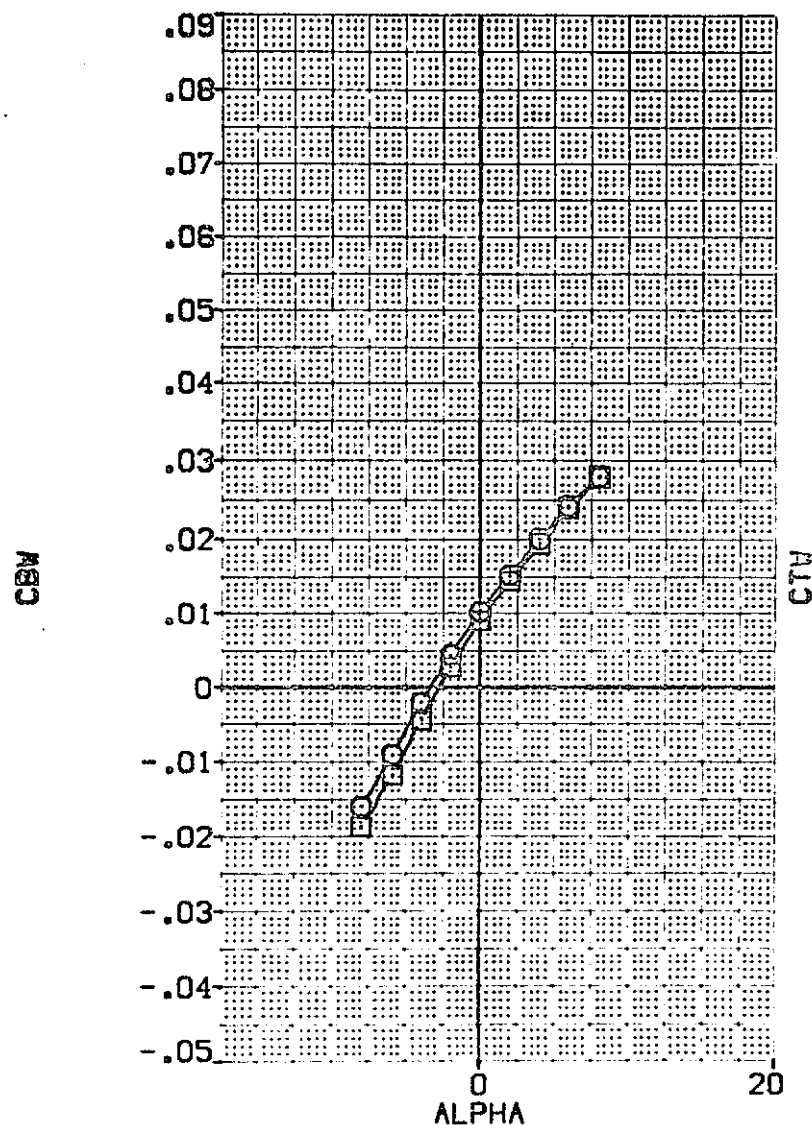


FIG 21 EFFECT OF REAR ATTACH POINT CROSSBEAM, ELEVON = 0
 (A)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(B7002)	1A70 01112S1P2P0
(AF7033)	1A70 01112S1P2P10
(AF7040)	1A70 01112S1P2P11

ELV-L1	ELV-L0	ECLAP	ETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2650.0000 SQ.FT.
.000	.000	.000	.000	LREF	474.6000 IN.
.000	.000	.000	.000	BREF	936.7000 IN.
				XMPP	.0000 IN. XT
				YMPP	.0000 IN. YT
				ZMPP	.0000 IN. ZT
				SCALE	.0150

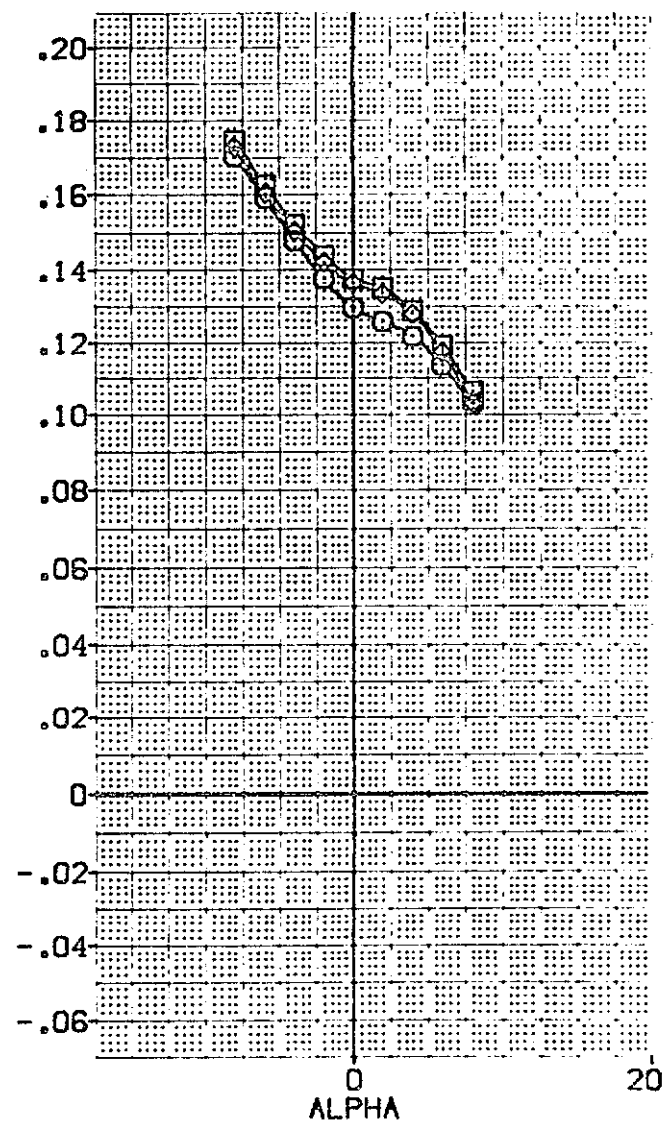
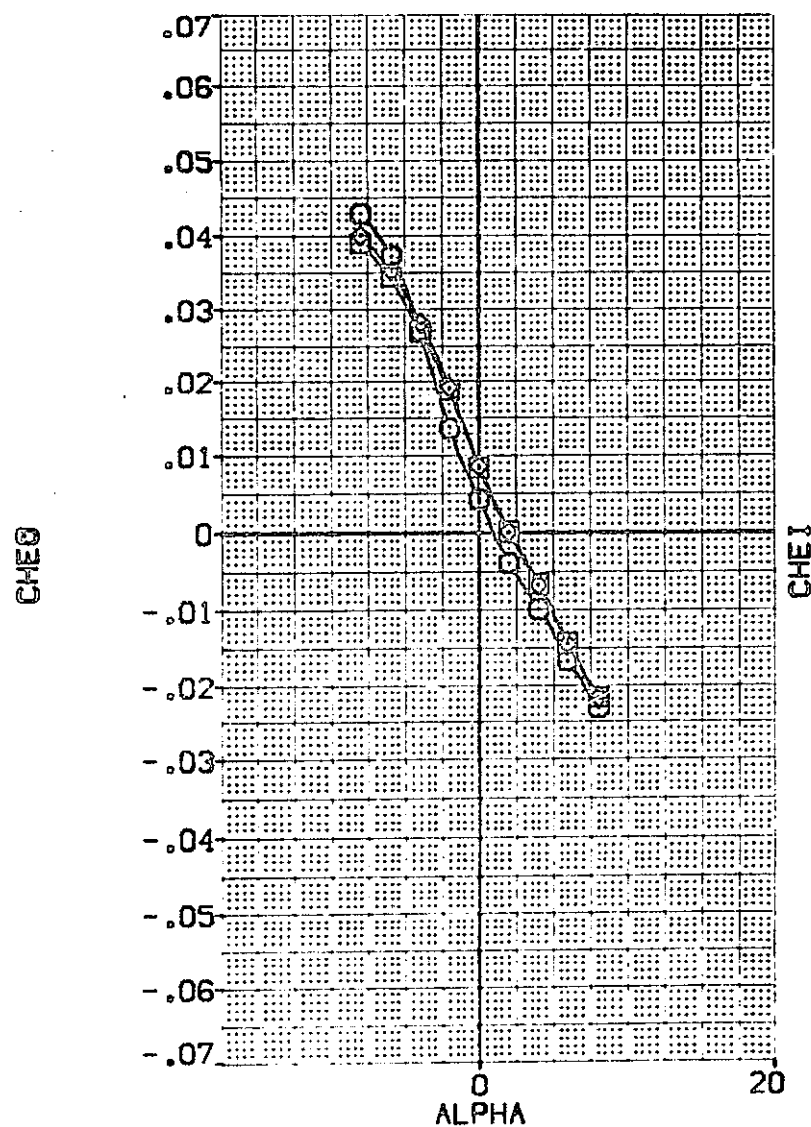


FIG 22 EFFECT OF FORWARD ATTACH POINT CONFIGURATION, ELEVON = 0
(A)MACH = 1.24

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DF7002)	1A70 01T12S1P2P0
(AF7039)	1A70 01T12S1P2P10
(AF7040)	1A70 01T12S1P2P11

ELV-L1	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
.000	.000	.000	.000	LREF	474.8000	IN.
.000	.000	.000	.000	BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

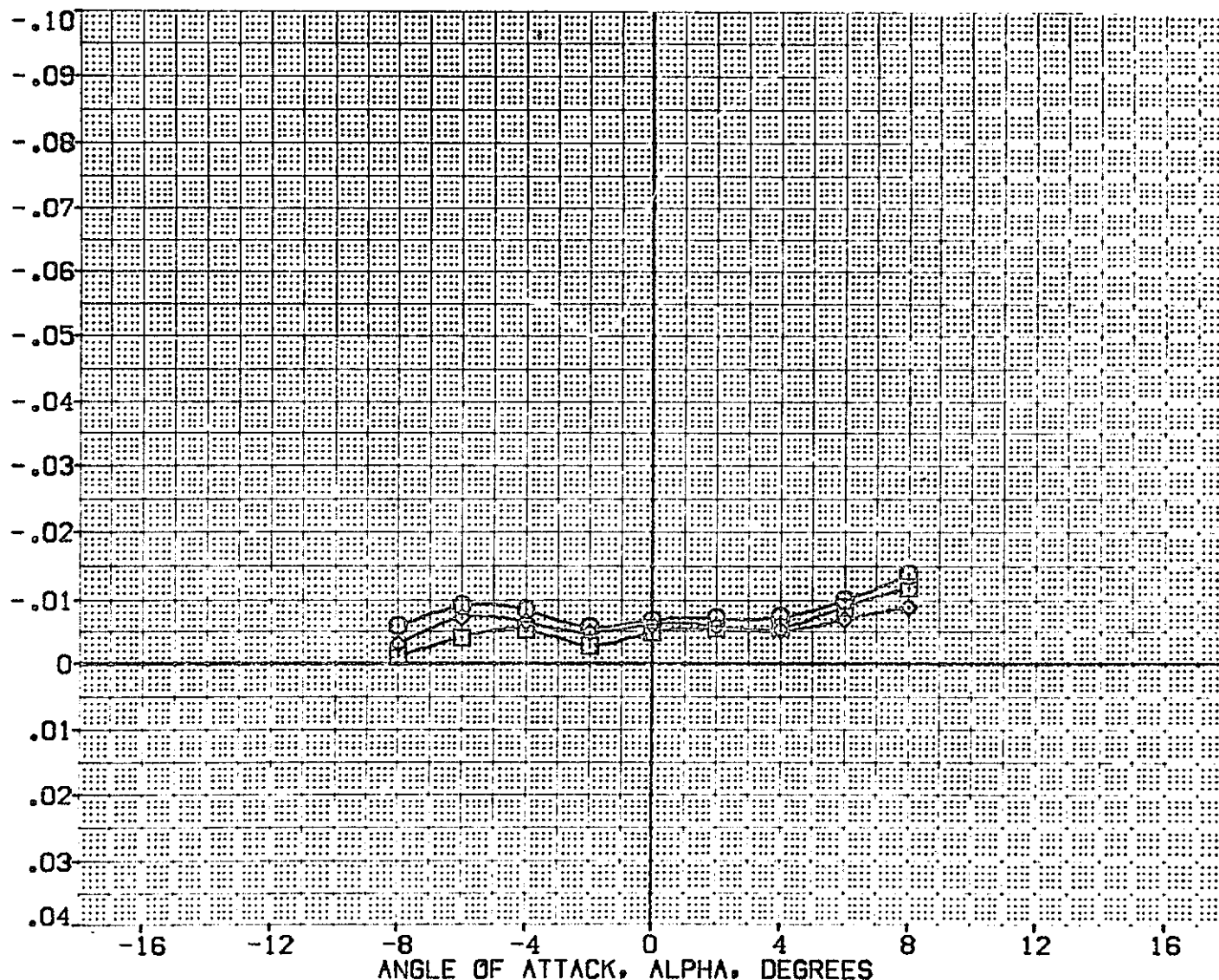


FIG 22 EFFECT OF FORWARD ATTACH POINT CONFIGURATION, ELEVON = 0
(A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(B7002)	○	IA70 01T12S1P2P3
(AF7003)	□	IA70 01T12S1P2P10
(AF7010)	◇	IA70 01T12S1P2P11

ELV-L1	ELV-L6	EFLAP	BETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2650.0000
.000	.000	.000	.000	LREF	474.6000
.000	.000	.000	.000	EREF	935.7000
				XMRP	.0000
				YMRP	.0000
				ZMRP	.0000
				SCALE	.0150

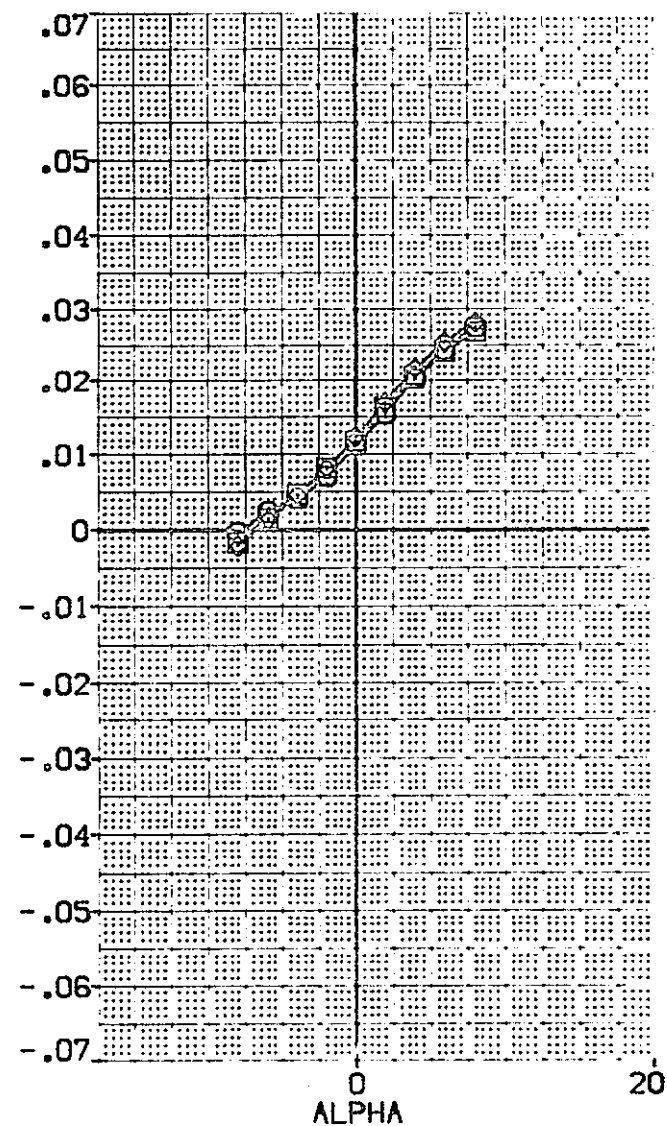
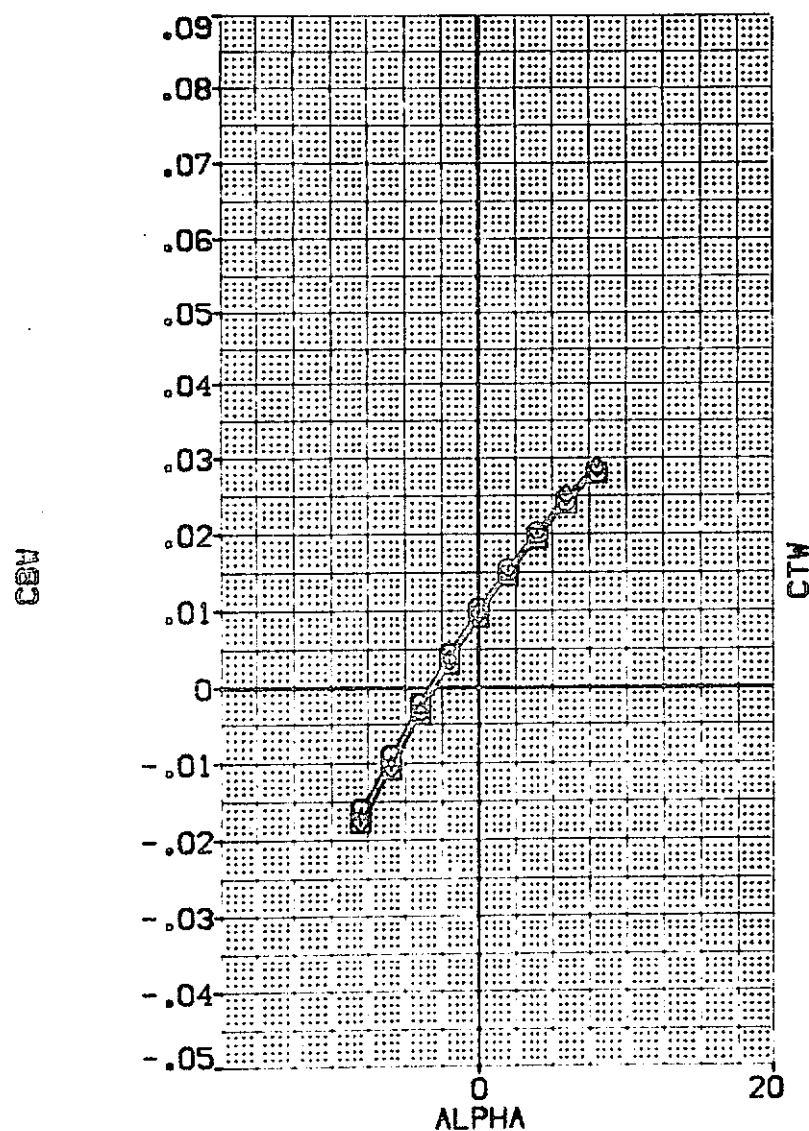


FIG 22 EFFECT OF FORWARD ATTACH POINT CONFIGURATION, ELEVON = 0
 (A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {EF7002} O 1A70 01112S1P2P8
 {AF7041} □ 1A70 01112S1P2P11

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
8.000	.000	.000	.000	LREF	474.8000	IN.
				BREF	936.7000	IN.
				XMRP	.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	.0000	IN. ZT
				SCALE	.0150	

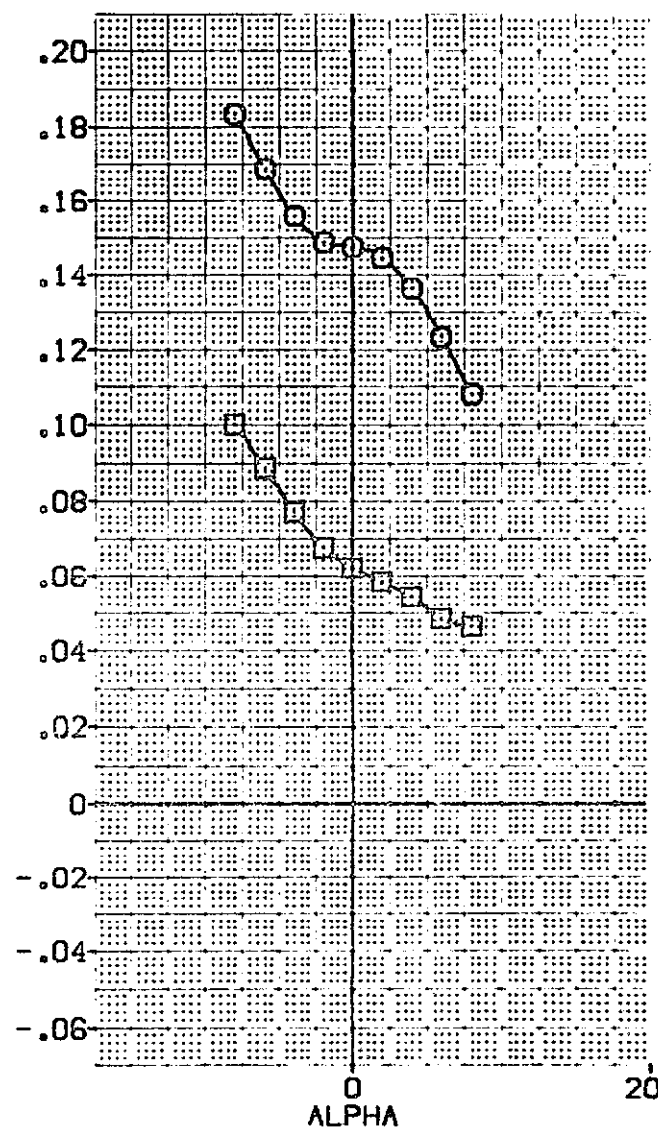
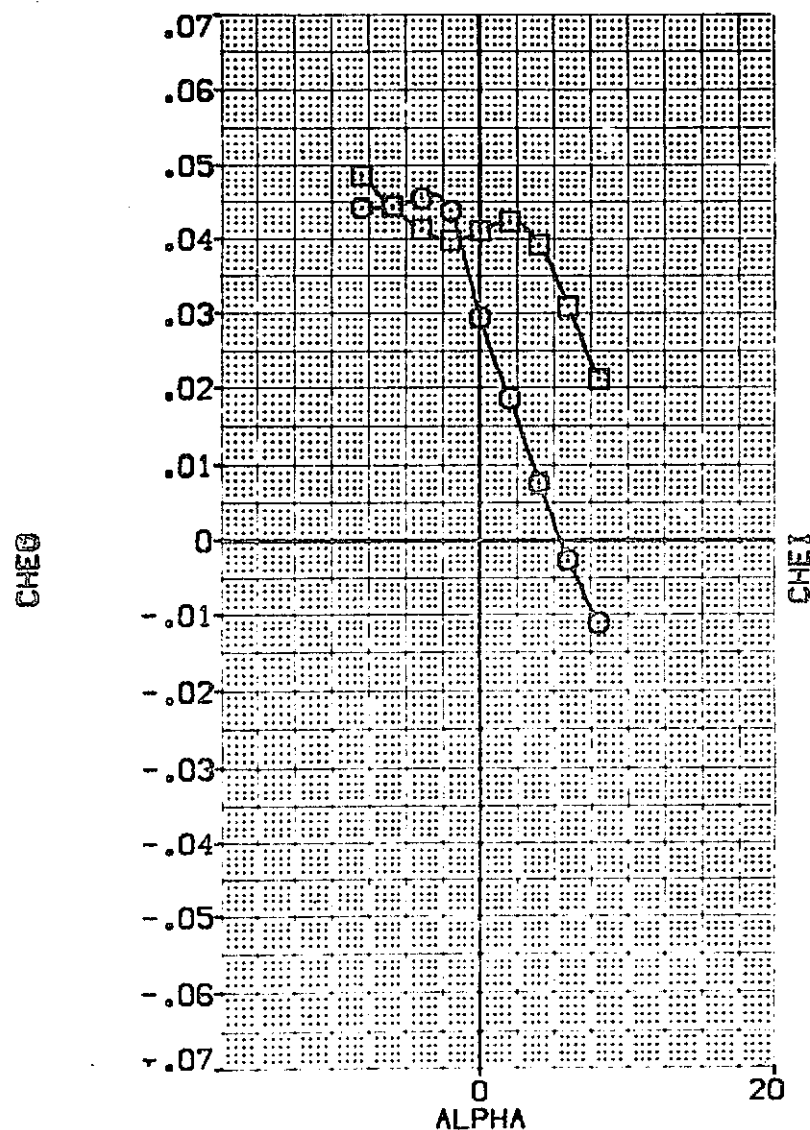


FIG 23 EFFECT OF YAW ON FORWARD ATTACH POINT CONFIGURATION, ELEVON = 0

(A)MACH = 1.12

[07002] 0 1A70 011231P20
[07001] 0 1A70 011231P21

ETA ELV-L1 ELV-L2 CLAP
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

REFERENCE INFORMATION

SREF 2650.0000 SQ.FT.
LREF 474.6000 IN.
EREF 925.7000 IN.
XMAP .0000 IN. XT
YMAP .0000 IN. YT
ZMAP .0000 IN. ZT
SCALE .0150

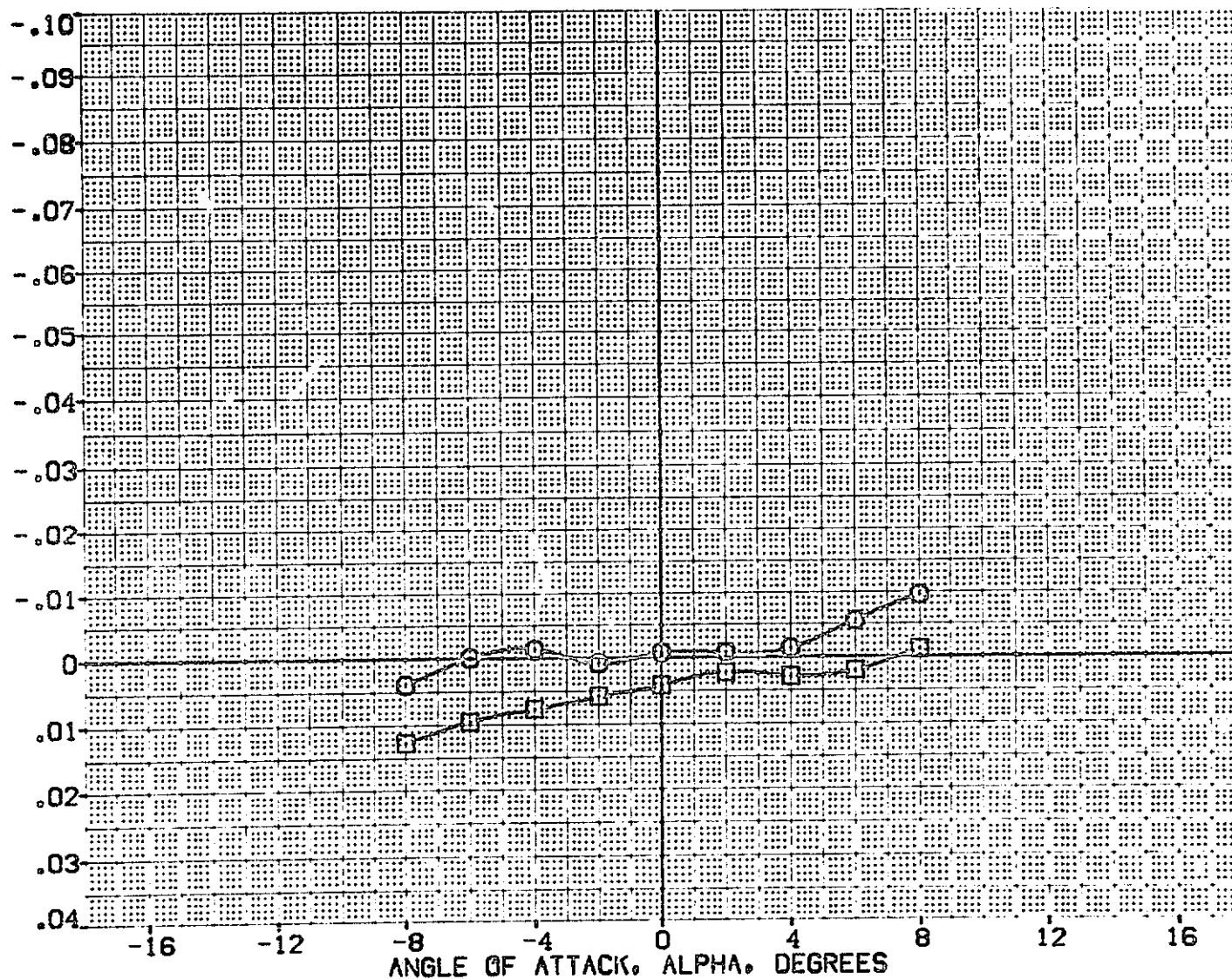
BODY FLAP HINGEMOMENT COEFFICIENT, C_{HFF}

FIG 23 EFFECT OF YAW ON FORWARD ATTACH POINT CONFIGURATION, ELEVON = 0
(A)MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [EF7002] ☐ 1A70 01T125IP2F9
 [AF7041] ☐ 1A70 01T125IP2T1

BETA	ELV-L1	ELV-L0	BFLAP	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	2630.0000 SQ.FT.
0.000	.000	.000	.000	LREF	474.8000 IN.
				BREF	936.7000 IN.
				XMRP	.0000 IN. XT
				YMRP	.0000 IN. YT
				ZMRP	.0000 IN. ZT
				SCALE	.0150

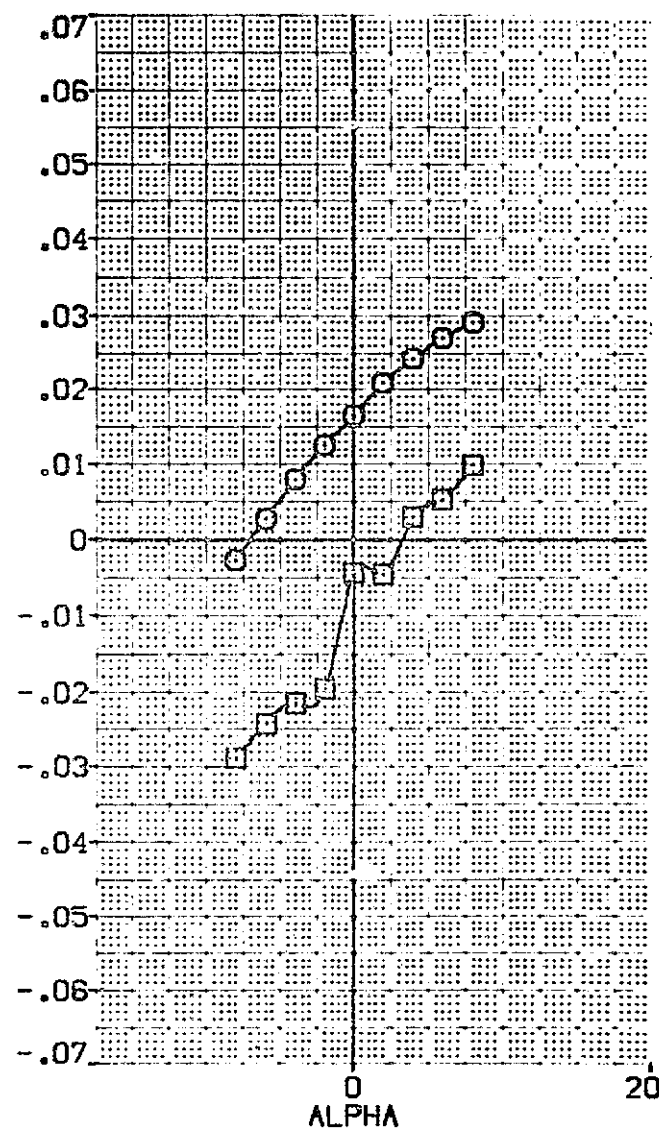
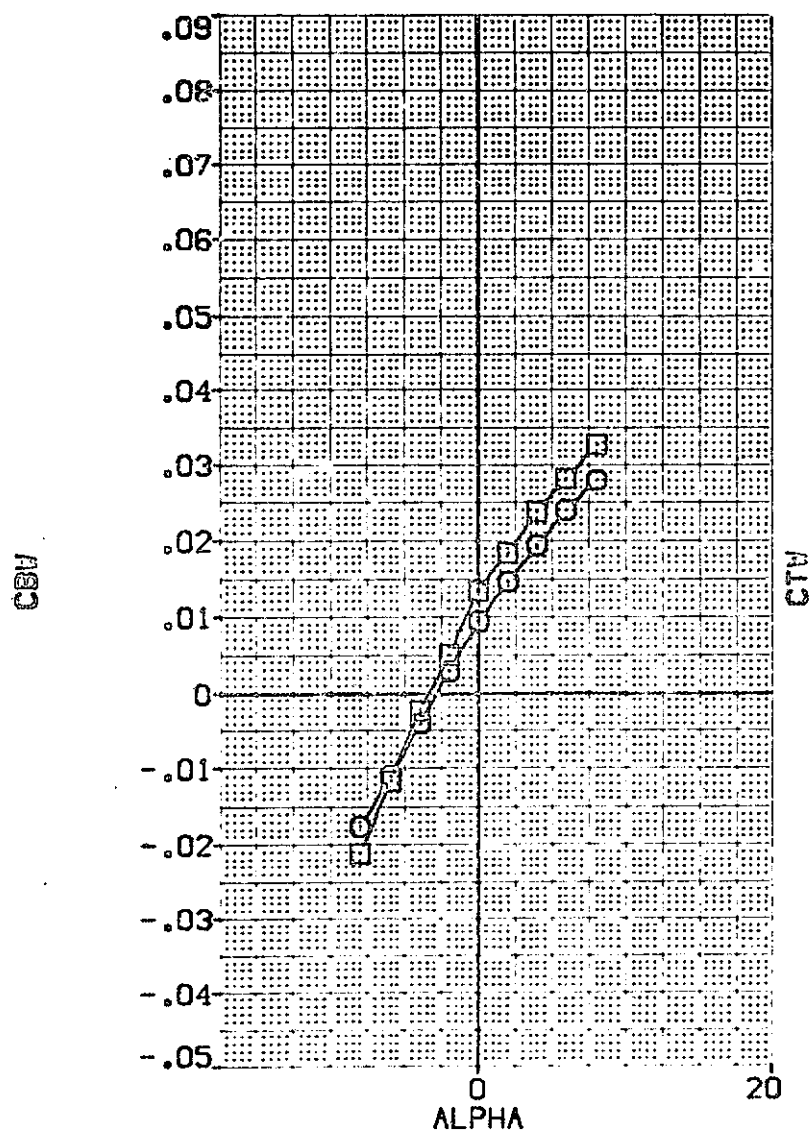


FIG 23 EFFECT OF YAW ON FORWARD ATTACH POINT CONFIGURATION, ELEVON = 0
 (A) MACH = 1.12

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B7002) ○ 1A70 01T125IP20
 (A7042) □ 1A70 01T125IP23

ELV-L1	ELV-L0	ELAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	50.FT.
.000	.000	10.000	.000	LREF	474.8000	IN.
				BREF	935.7000	IN.
				XMRF	.0000	IN. XT
				YMRF	.0000	IN. YT
				ZMRF	.0000	IN. ZT
				SCALE	.0150	

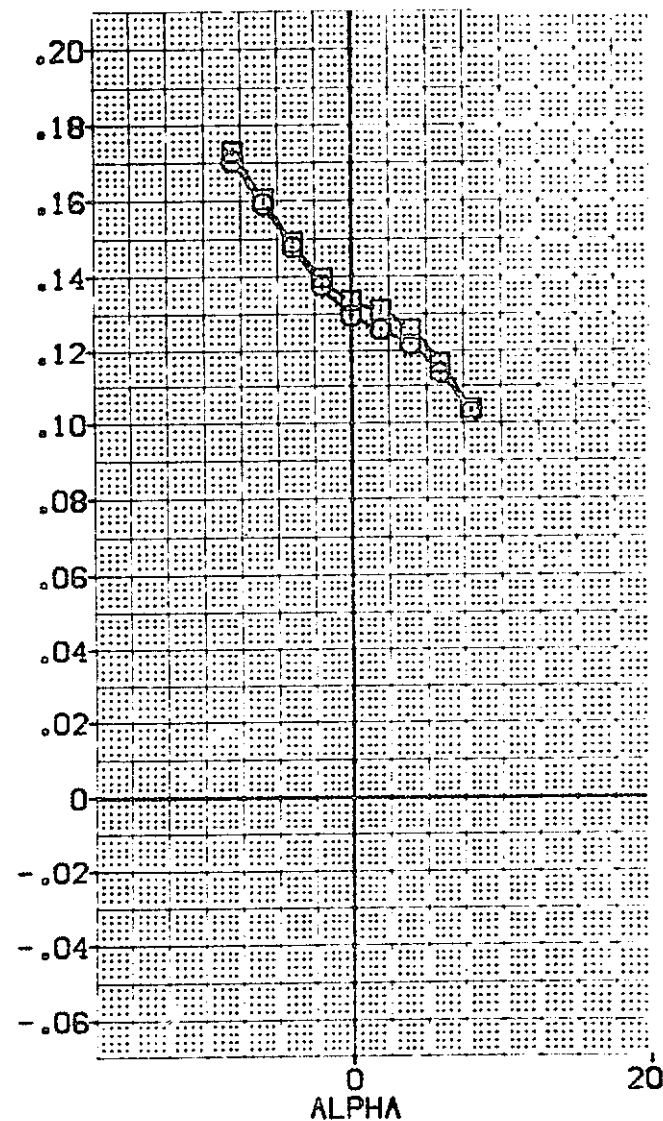
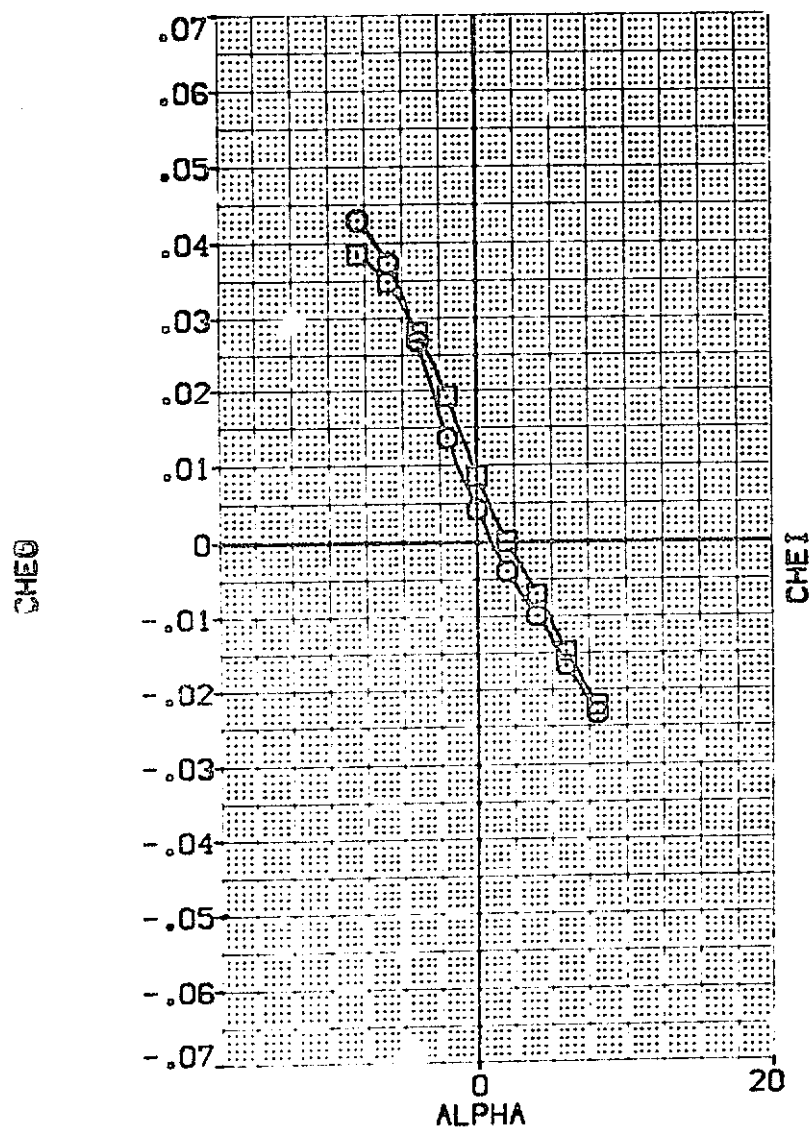


FIG 24 BODY FLAP EFFECTIVENESS, ELEVON = 0
 (A) MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [DF7002] 0 1A70 01T12SIP2P8
 [AF7042] 1 1A70 01T12SIP2P8

ELV-L1	ELV-L0	BFLAP	BETA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF 2690.0000	SQ.FT.
.000	.000	10.000	.000	LREF 474.8000	IN.
				BREF 936.7000	IN.
				XMRP .0000	IN. XT
				YMRP .0000	IN. YT
				ZMRP .0000	IN. ZT
				SCALE .0150	

BODY FLAP HINGEMOMENT COEFFICIENT, CHBF

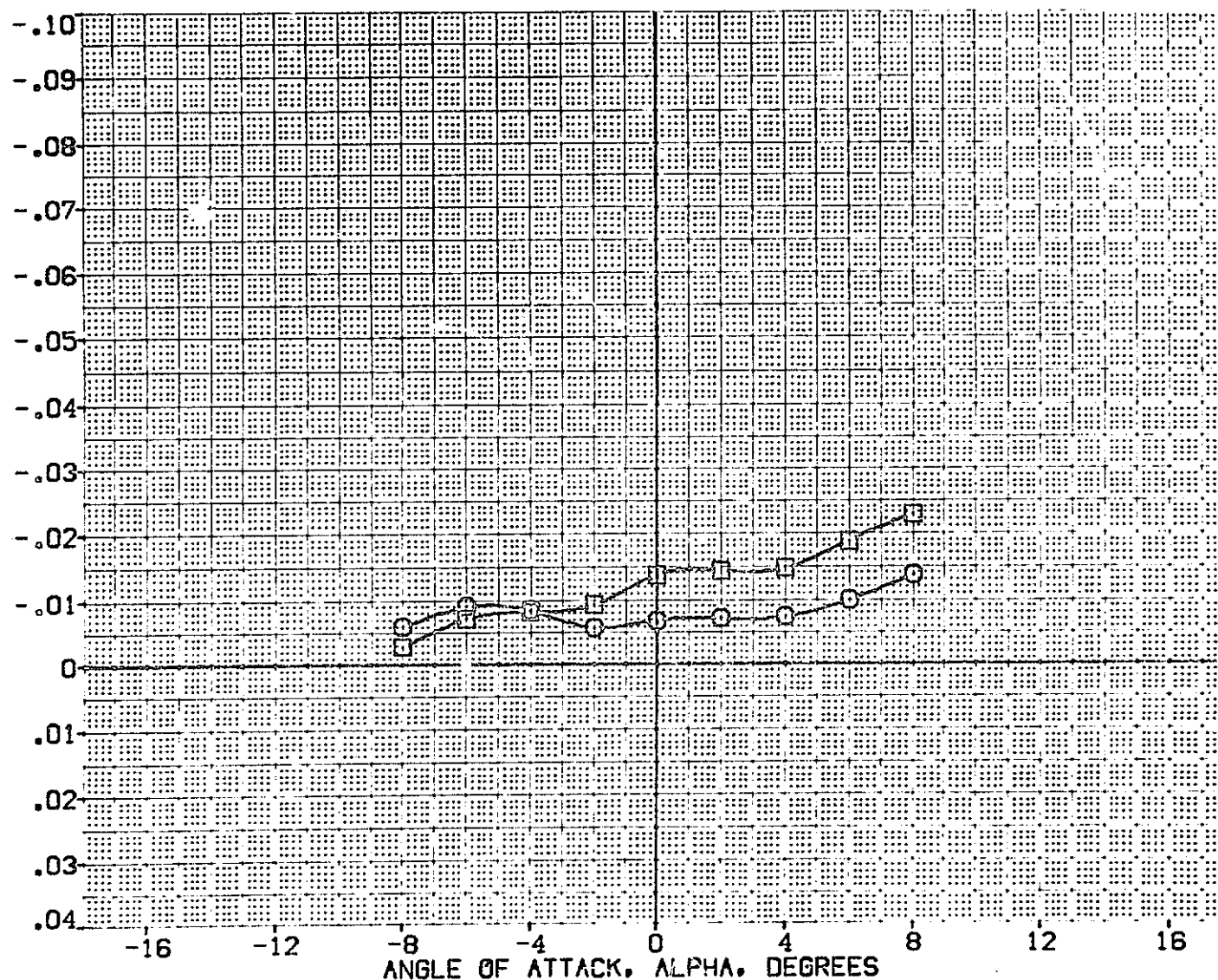


FIG 24 BODY FLAP EFFECTIVENESS, ELEVON = 0
 (A)MACH = 1.24

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B7002) 0 IA70 01T123IP2F3
 (AF7042) 0 IA70 01T123IP2F0

ELV-L1	ELV-L0	EFLAP	SETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	2690.0000	SG.FT.
.000	.000	10.000	.000	LREF	474.8000	IN.
				EREF	933.7000	IN.
				XMPP	.0000	IN. XT
				YMPP	.0000	IN. YT
				ZMPP	.0000	IN. ZT
				SCALE	.0150	

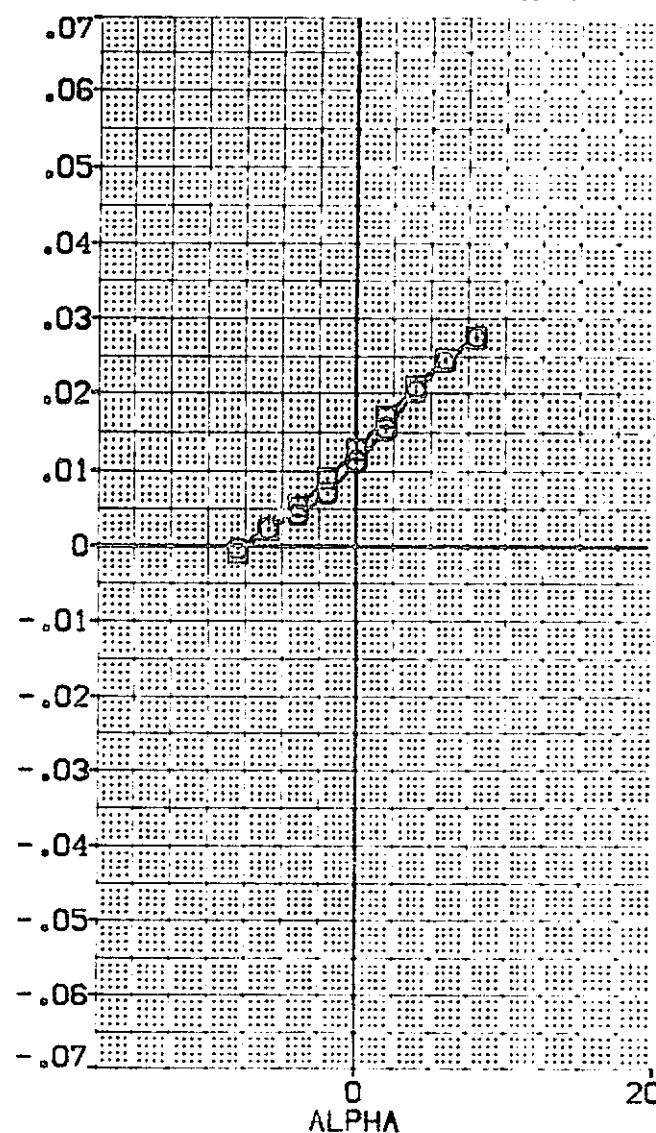
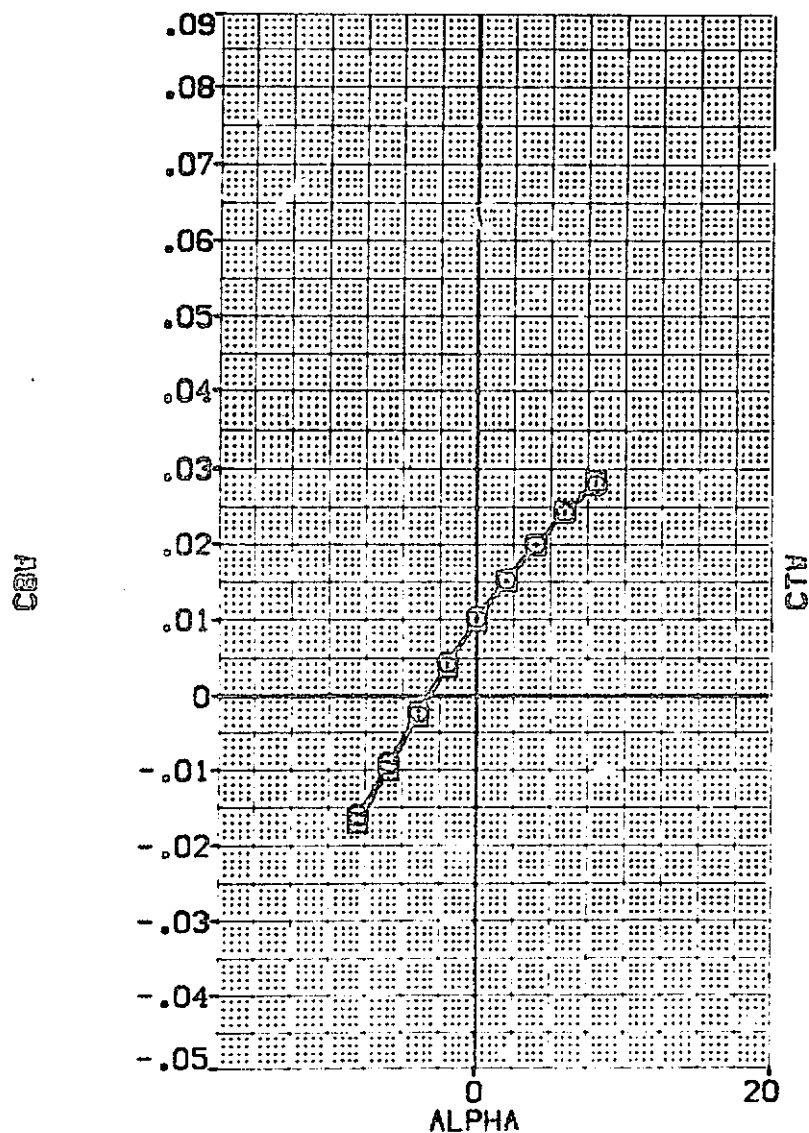


FIG 24 BODY FLAP EFFECTIVENESS, ELEVON = 0
 (A) MACH = 1.24

IA70 01T12S1P2P8

(BF7002)

SYMBOL	ALPHA	HACH	PARAMETRIC VALUES	BETA	DATA SOURCE	DATA SET	BFLAP	DATA SET	BFLAP	REFERENCE INFORMATION	SREF	2690.0000	SQ.FT.
○	-8.000	ELV-L6	.000	ELV-L1	.000	BF7002	.000	AF7042	10.000	LREF	474.8000	IN.	
□	-8.000	ELV-L6	.000	ELV-L1	.000	BF7002	.000	AF7042	10.000	BREF	936.7000	IN.	
◇	-4.000	ELV-RI	.000	ELV-R3	.000	BF7002	.000	AF7042	10.000	XMRP	.0000	IN.	XT
△	-2.000									YMRP	.0000	IN.	YT
▽	.000									ZMRP	.0000	IN.	ZT
										SCALE	.0150		

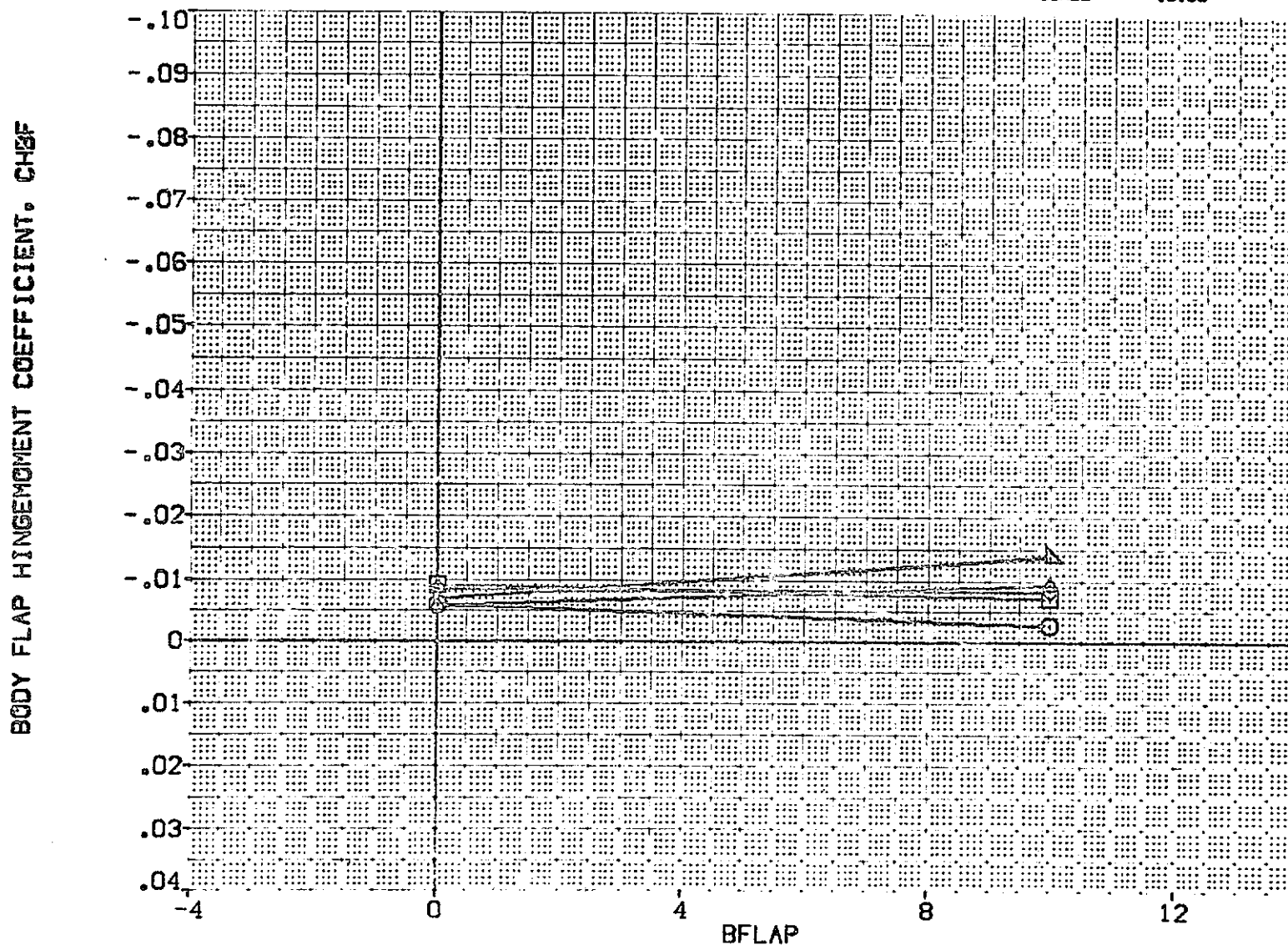


FIG 24 BODY FLAP EFFECTIVENESS, ELEVON = 0

IA70 01T12S1P2P8

(BF7002)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	BETA	.000	DATASET	BFLAP	DATASET	BFLAP	BREF	2850.0000	SG.FT.
○	2.000				.000	07002	.000	AF7042	10.000	LREF	474.6000	IN.
□	4.000	ELV-LB	.000	ELV-LI	.000					BREF	925.7000	IN.
◇	6.000	ELV-RI	.000	ELV-RB	.000					XMRP	.0000	IN. XT
△	8.000									YMRP	.0000	IN. YT
										ZMRP	.0000	IN. ZT
										SCALE	.0150	

BODY FLAP HINGEMENT COEFFICIENT, CHBF

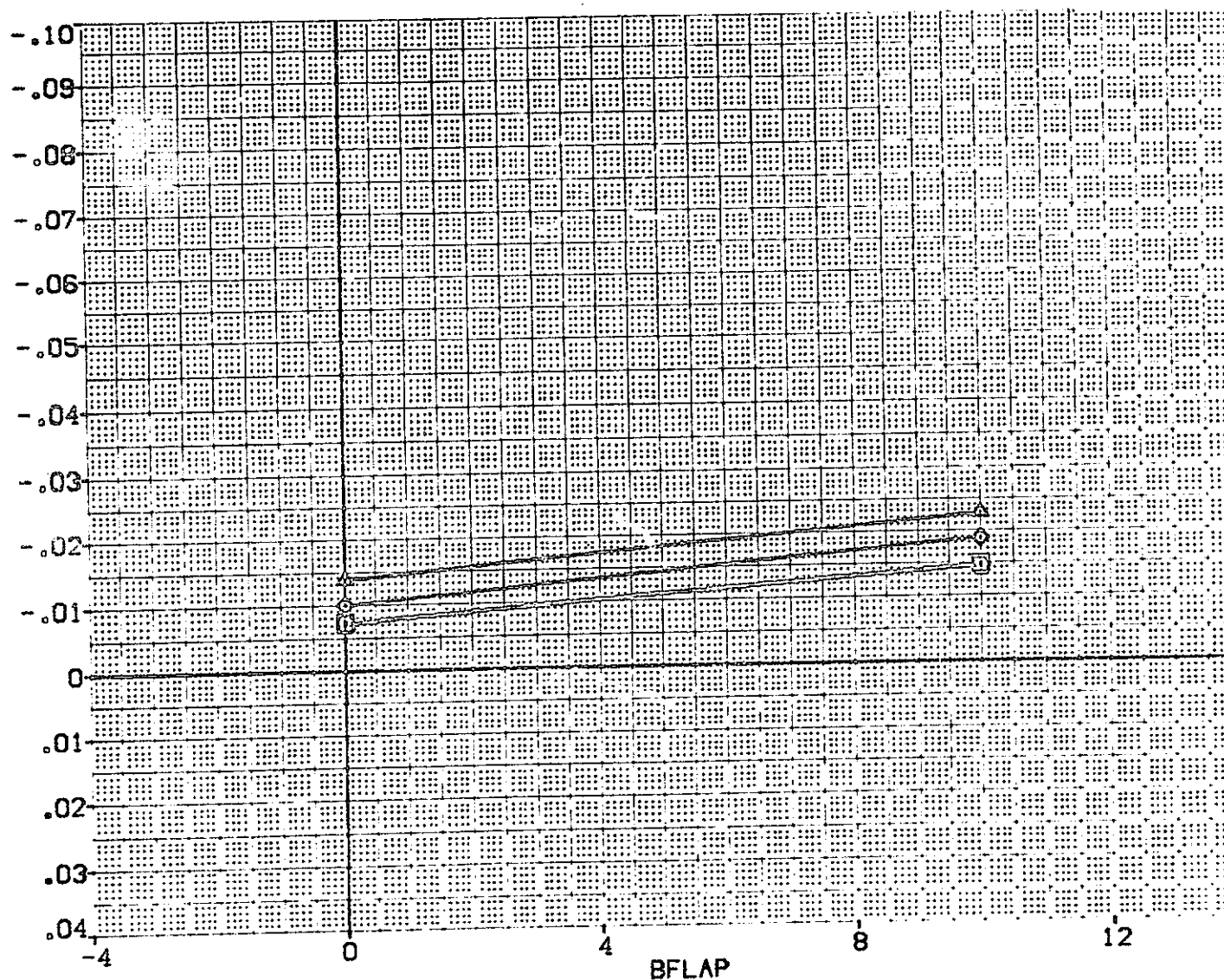


FIG 24 BODY FLAP EFFECTIVENESS, ELEVON = 0

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U63]	DATA NOT AVAILABLE
[AF7U43]	IA70 01 T12 S1 P2 P8
[AF7U48]	IA70 01 T12 S1 P2 P8
[AF7U53]	IA70 01 T12 S1 P2 P8
[AF7U58]	IA70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

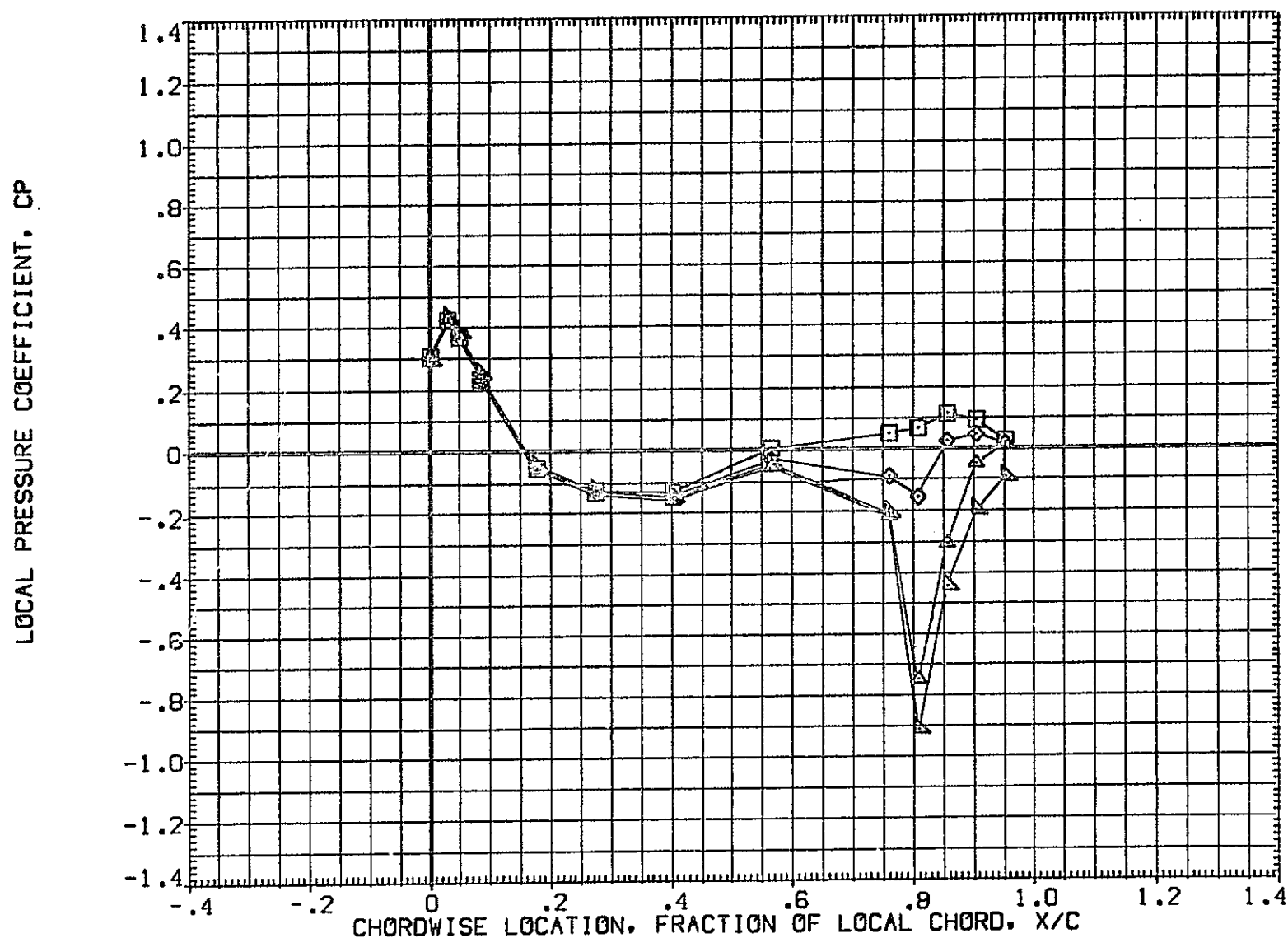


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U53]	DATA NOT AVAILABLE
[AF7U43]	1A70 01 T12 S1 P2 P3
[AF7U48]	1A70 01 T12 S1 P2 P3
[AF7U53]	1A70 01 T12 S1 P2 P3
[AF7U58]	1A70 01 T12 S1 P2 P3

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

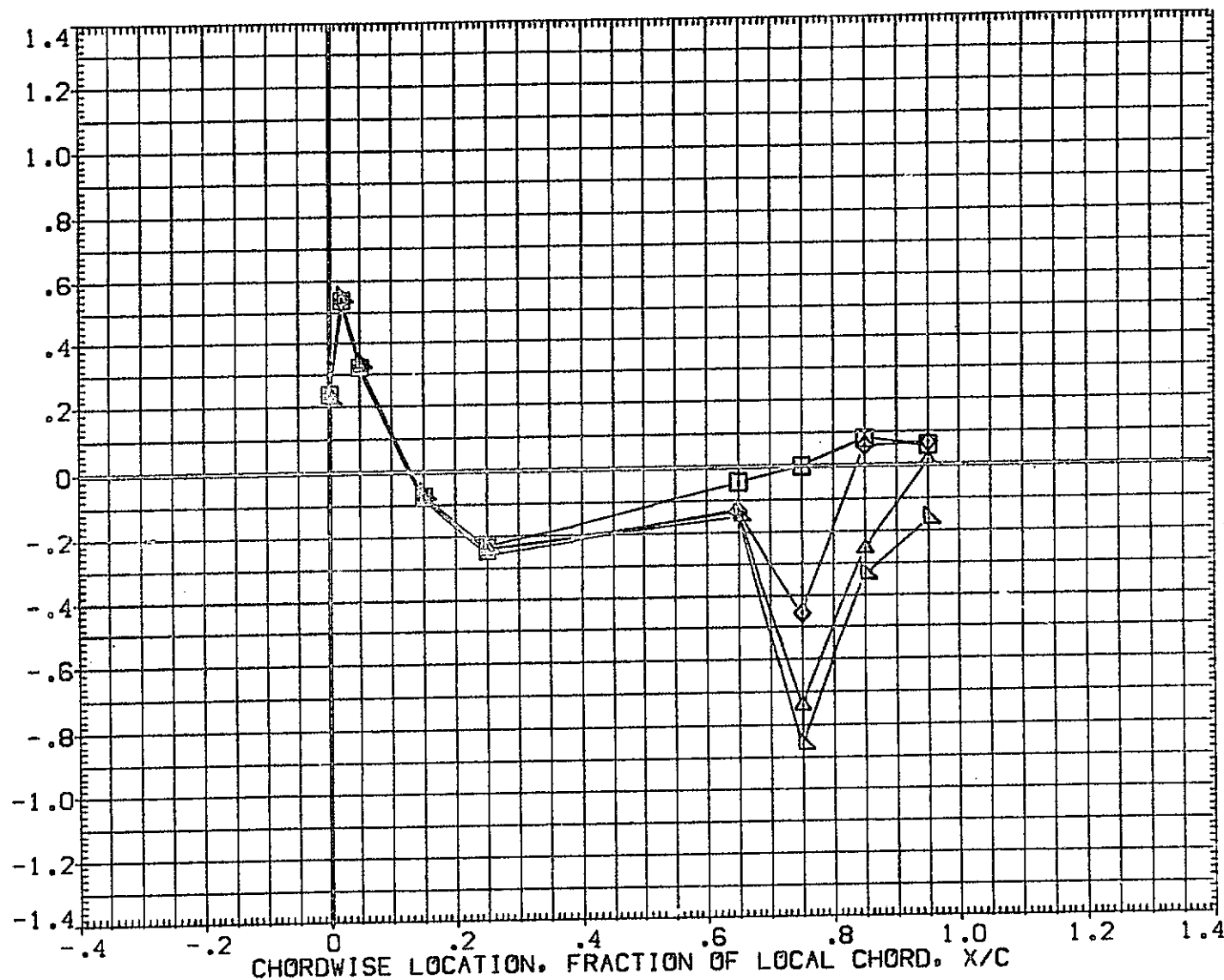


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$
MACH = .900 ALPHA = -8.000 $2Y/B = .771$ PAGE 198

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U63]	DATA NOT AVAILABLE
[AF7U43]	IA70 01 T12 S1 P2 P8
[AF7U48]	IA70 01 T12 S1 P2 P8
[AF7U53]	IA70 01 T12 S1 P2 P8
[AF7U58]	IA70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

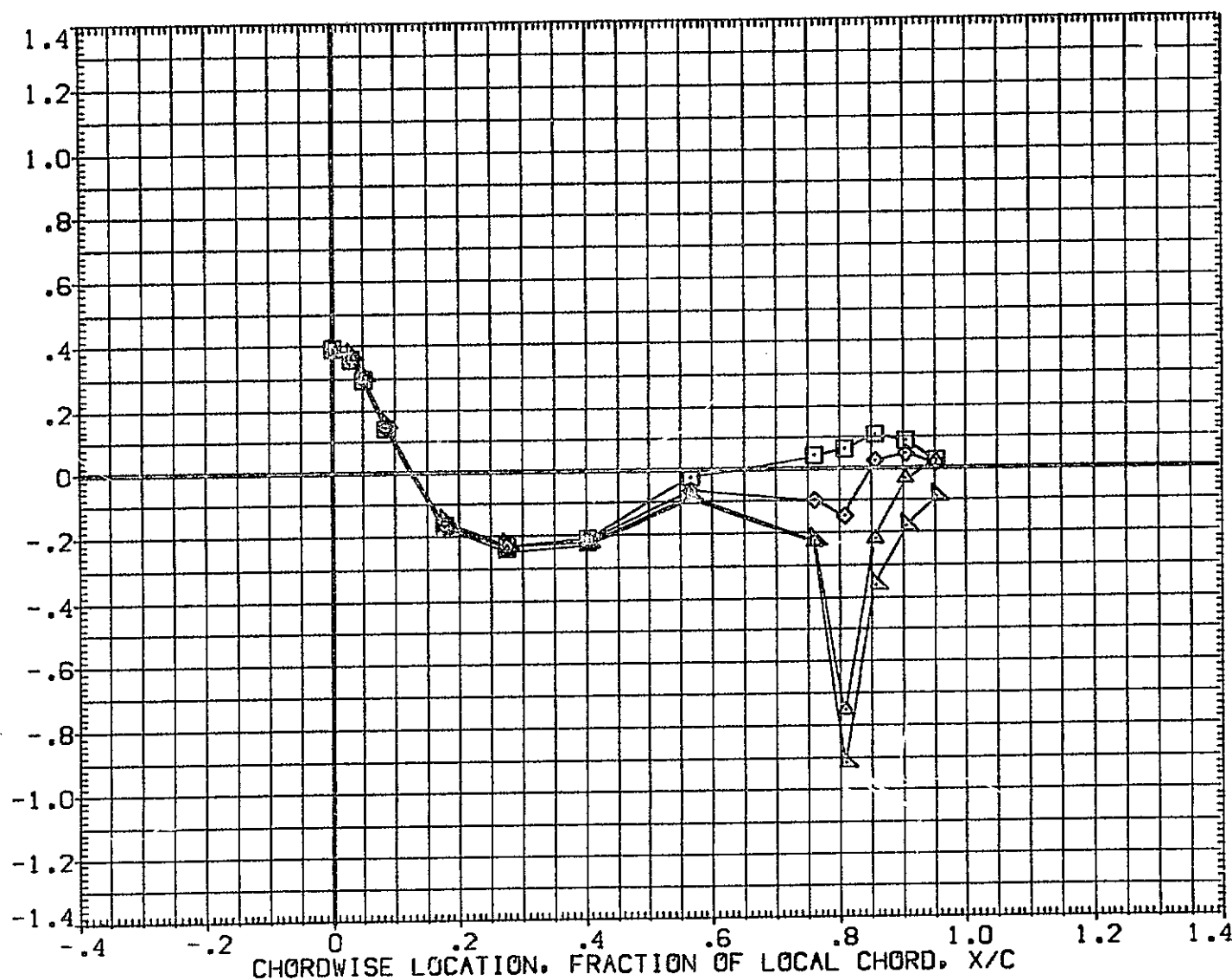


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7U33)	□	DATA NOT AVAILABLE						-4.000	.000	-4.000	-4.000
(AF7U43)	○	IA70	01	T12	S1	P2	P8	WING UPPER SURFACE	.000	.000	.000
(AF7U48)	◇	IA70	01	T12	S1	P2	P8	WING UPPER SURFACE	4.000	4.000	4.000
(AF7U53)	△	IA70	01	T12	S1	P2	P8	WING UPPER SURFACE	8.000	8.000	8.000
(AF7U59)	▽	IA70	01	T12	S1	P2	P8	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

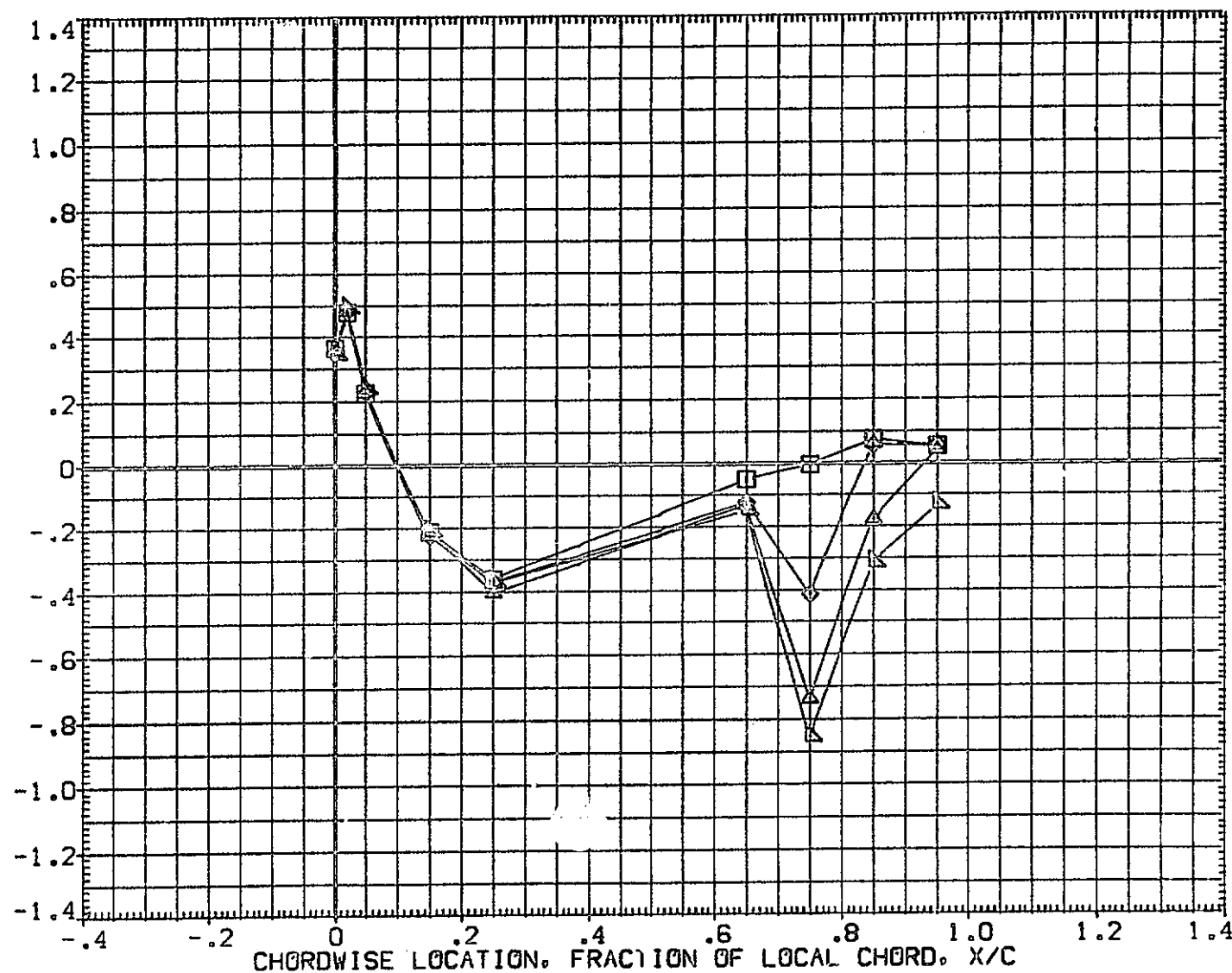


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7U48]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7U53]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7U58]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

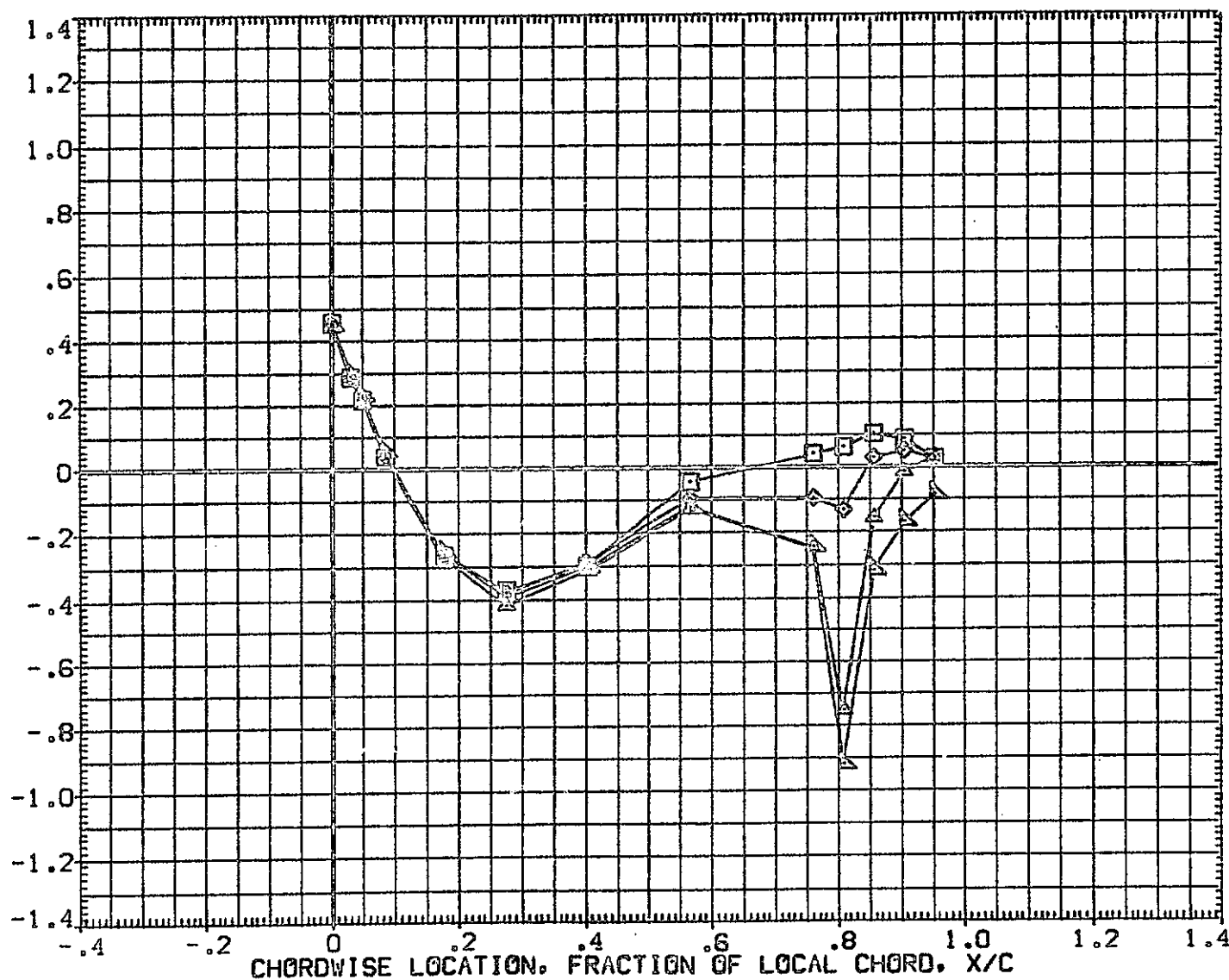


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AF7U53) DATA NOT AVAILABLE
 (AF7U43) 1A70 01 T12 S1 P2 P8
 (AF7U48) 1A70 01 T12 S1 P2 P8
 (AF7U53) 1A70 01 T12 S1 P2 P8
 (AF7U58) 1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

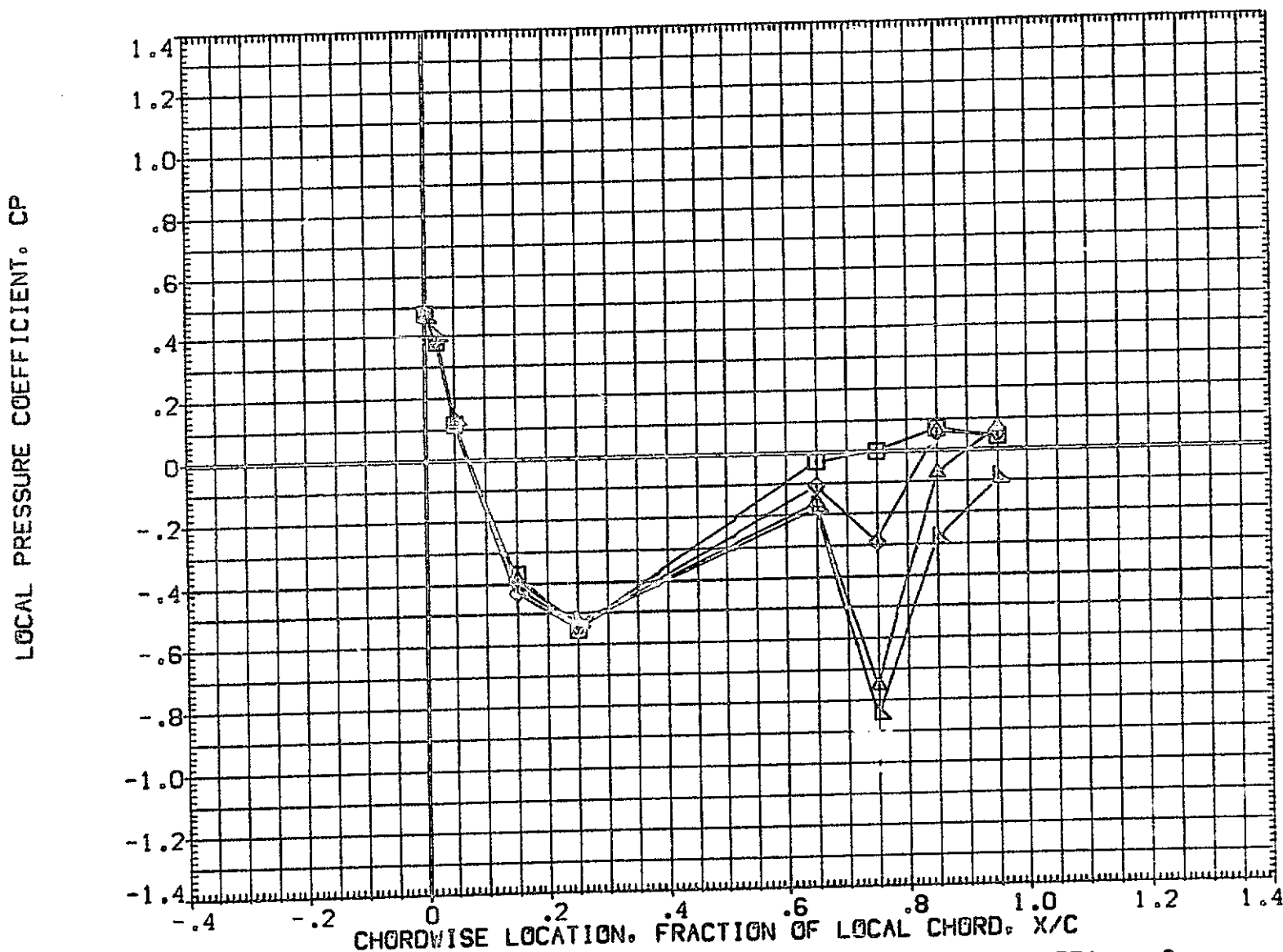


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
 MACH = .900 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7U48]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7U53]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7U58]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

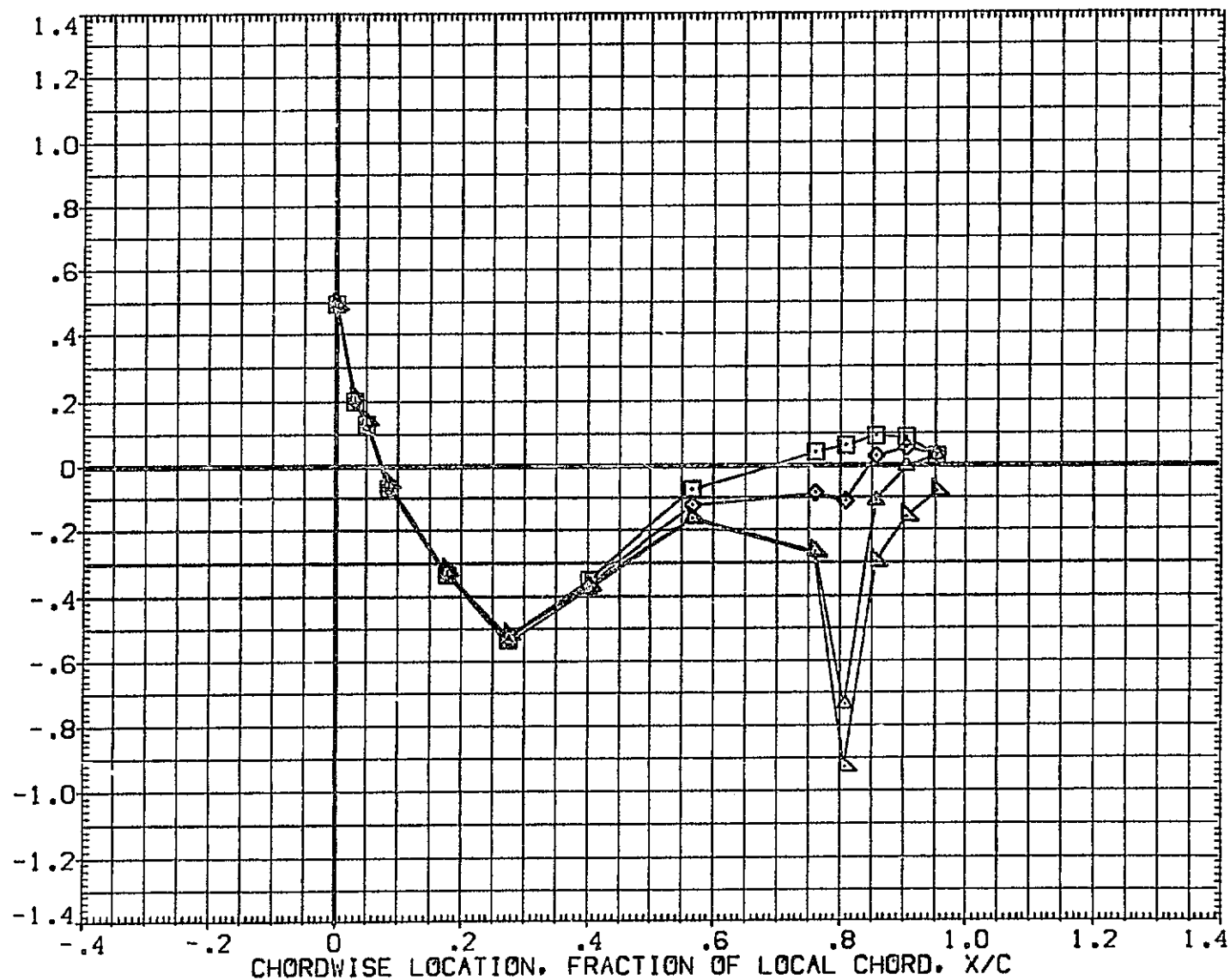


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -2.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7U53)	DATA NOT AVAILABLE
(AF7U43)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U48)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U53)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U58)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

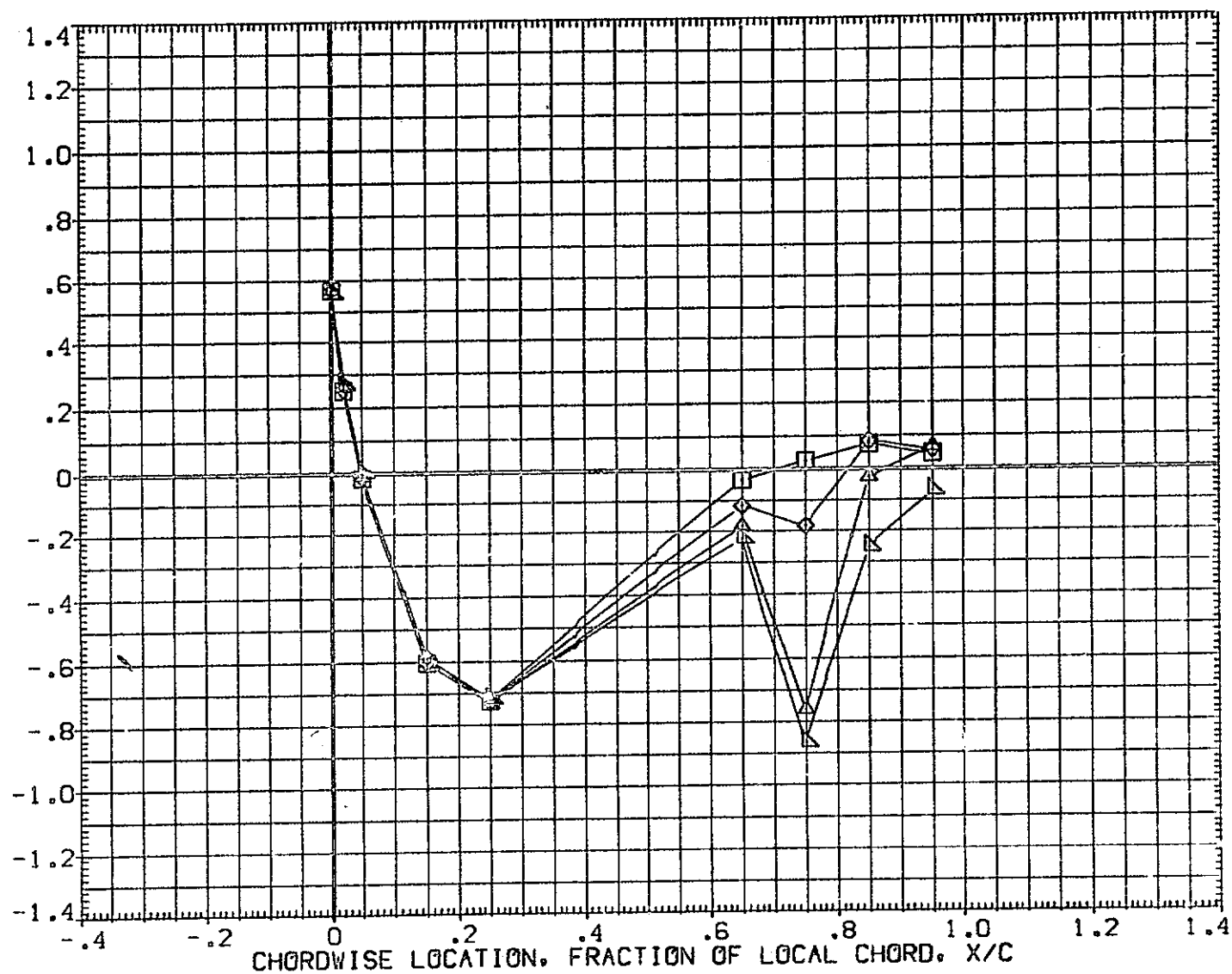


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -2.000 2Y/B = .771

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7U63] DATA NOT AVAILABLE

[AF7U43] 1A70 01 T12 S1 P2 P8

[AF7U48] 1A70 01 T12 S1 P2 P8

[AF7U53] 1A70 01 T12 S1 P2 P8

[AF7U58] 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

ELV-1

ELV-2

ELV-3

ELV-4

-4.000

.000

-4.000

-4.000

.000

.000

.000

.000

4.000

4.000

4.000

4.000

8.000

8.000

8.000

8.000

8.000

12.000

12.000

12.000

LOCAL PRESSURE COEFFICIENT, CP

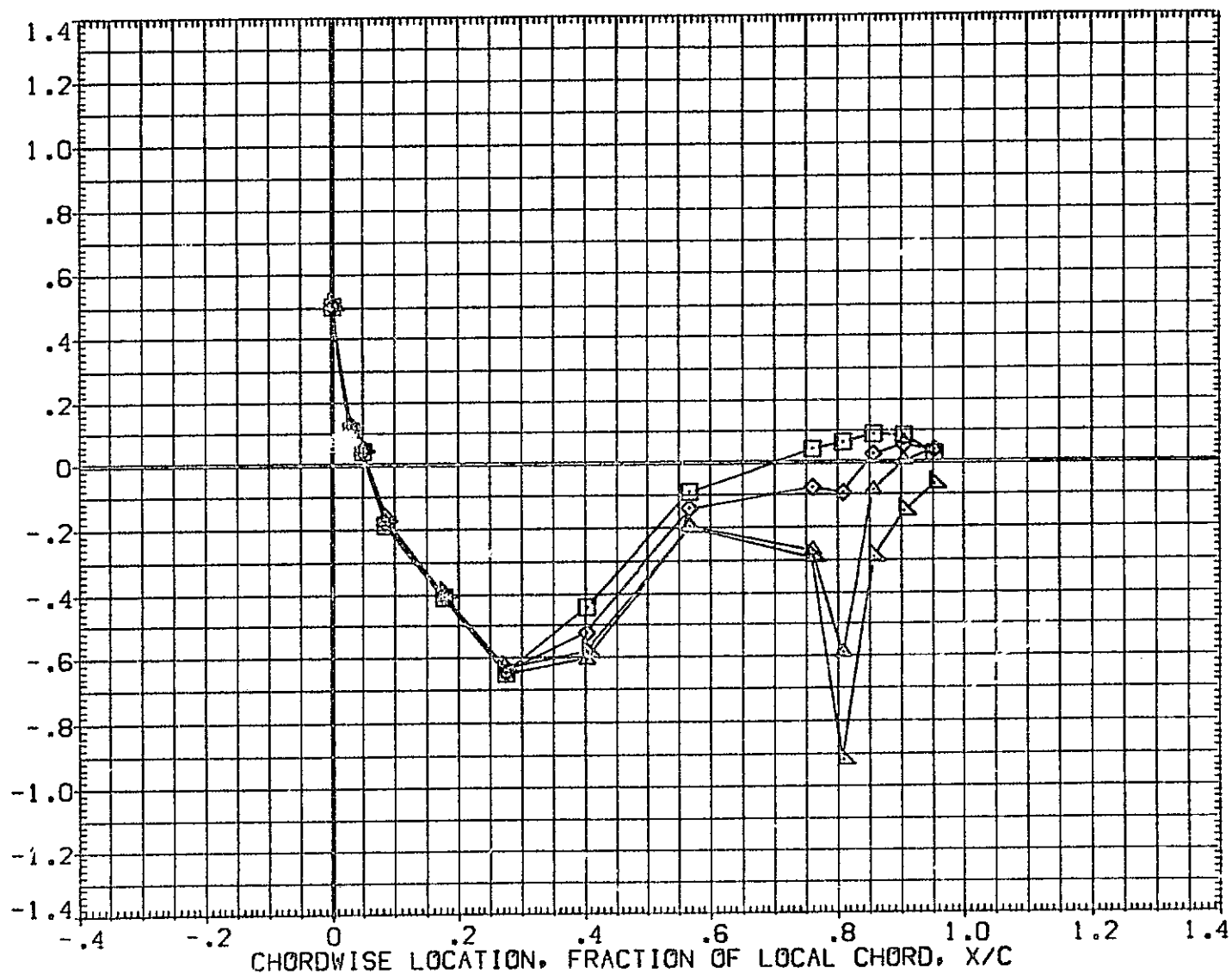


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = .000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7U53}	DATA NOT AVAILABLE
{AF7U43}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
{AF7U48}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
{AF7U53}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
{AF7U58}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

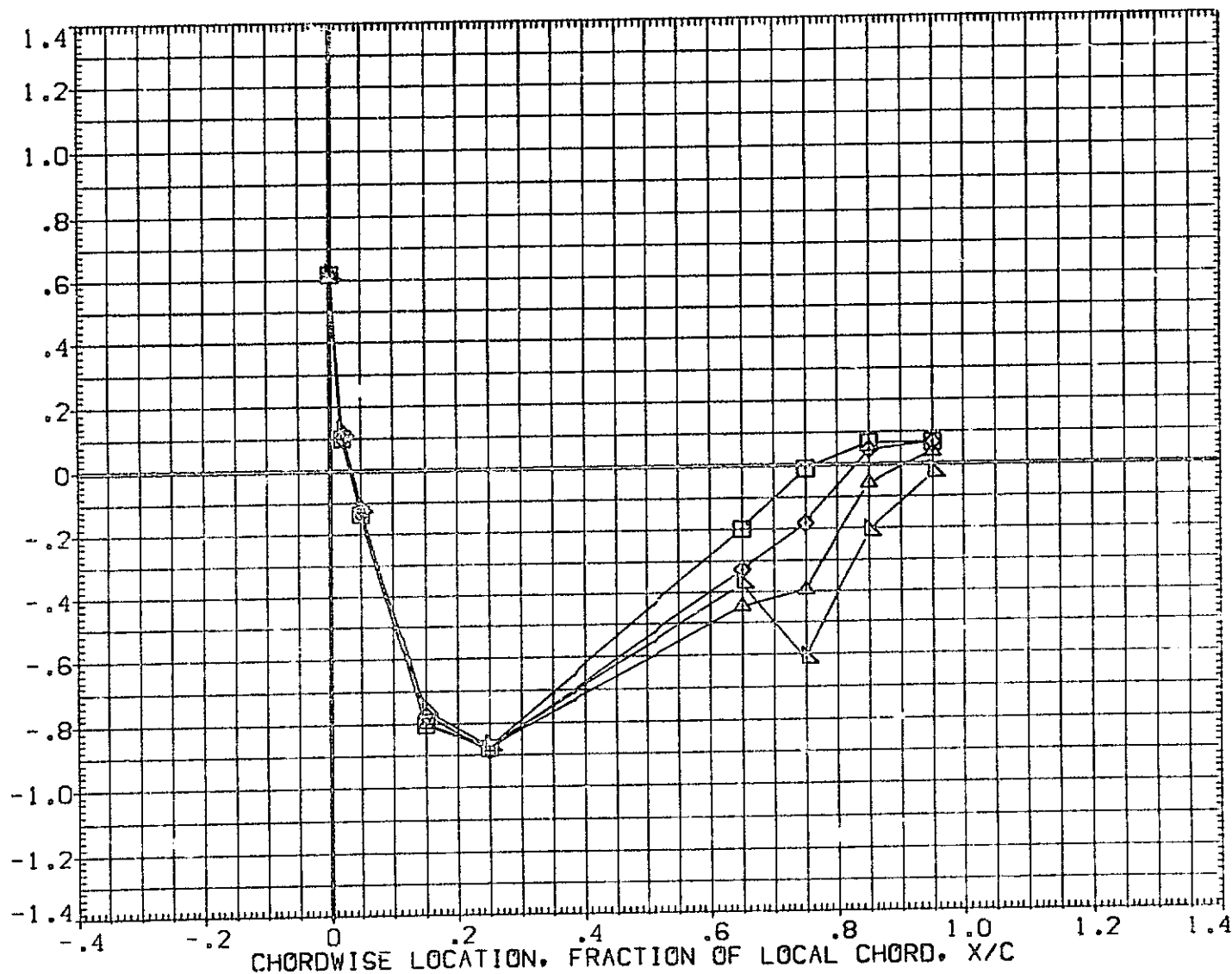


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = .000 2Y/B = .771

PAGE 206

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{ AF7U53 }	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{ AF7U43 }	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
{ AF7U48 }	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{ AF7U53 }	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{ AF7U58 }	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				

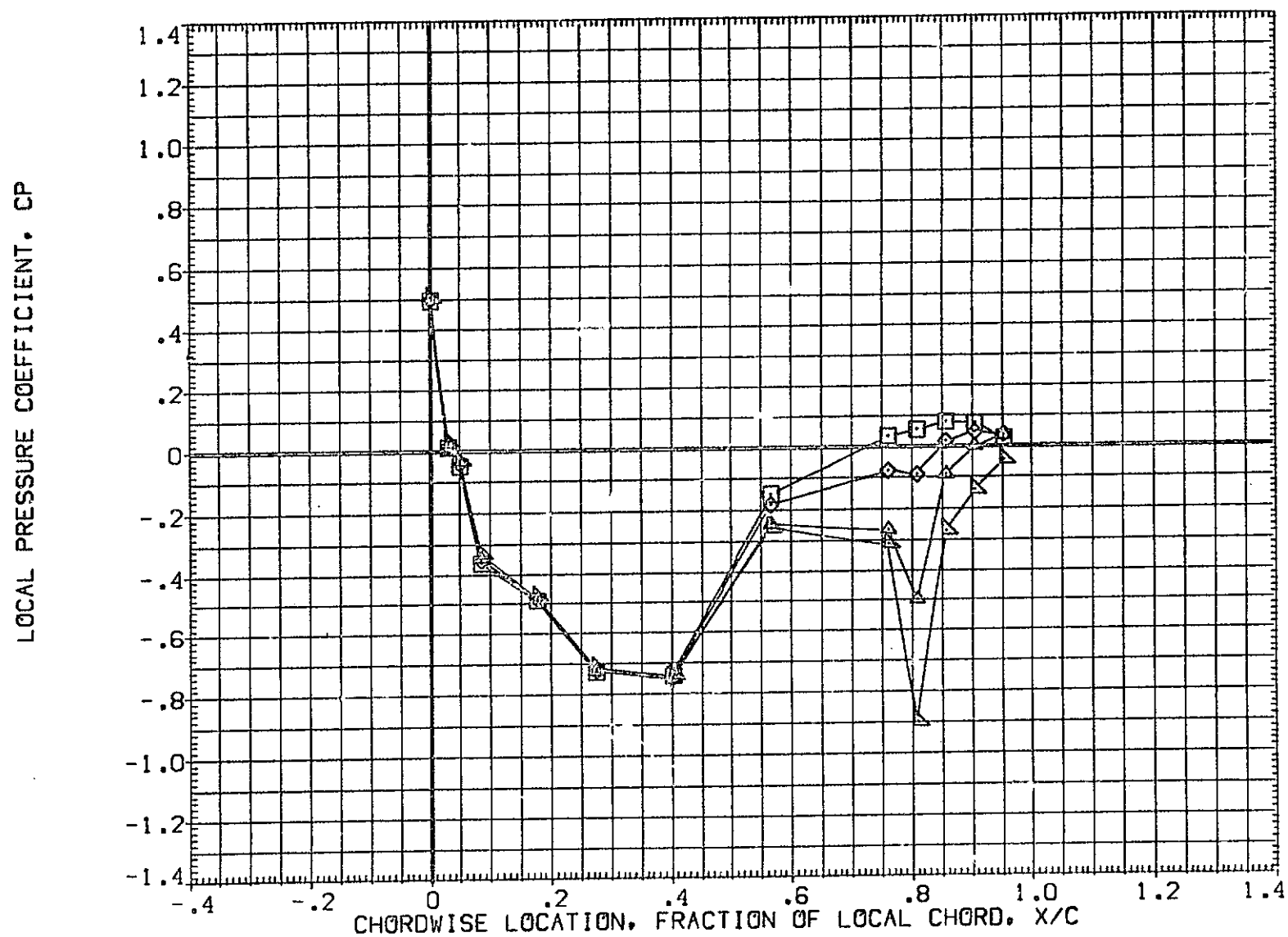


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7U63)	DATA NOT AVAILABLE
(AF7U43)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U48)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U53)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U58)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

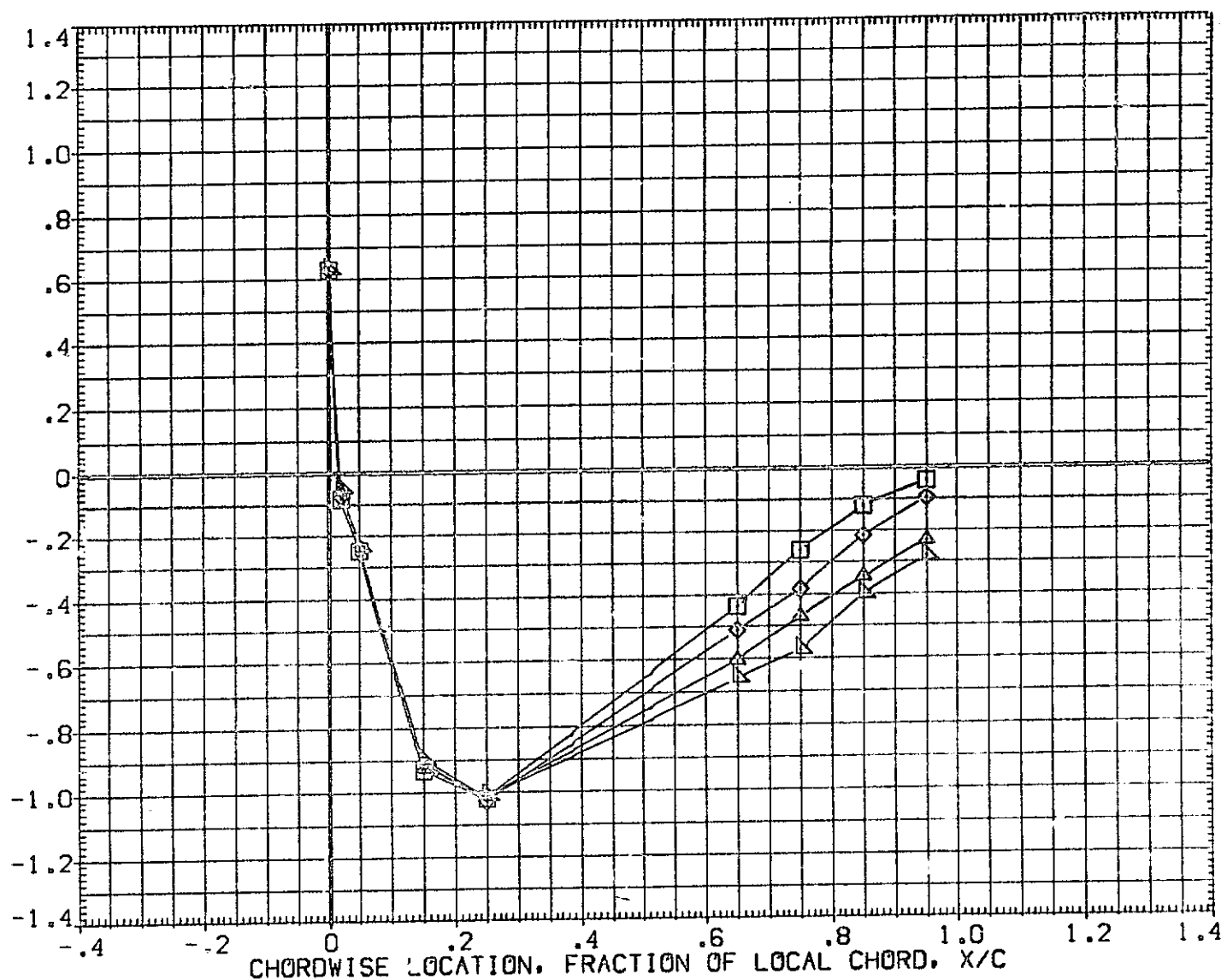


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 2.000 2Y/B = .771 PAGE 208

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U52)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

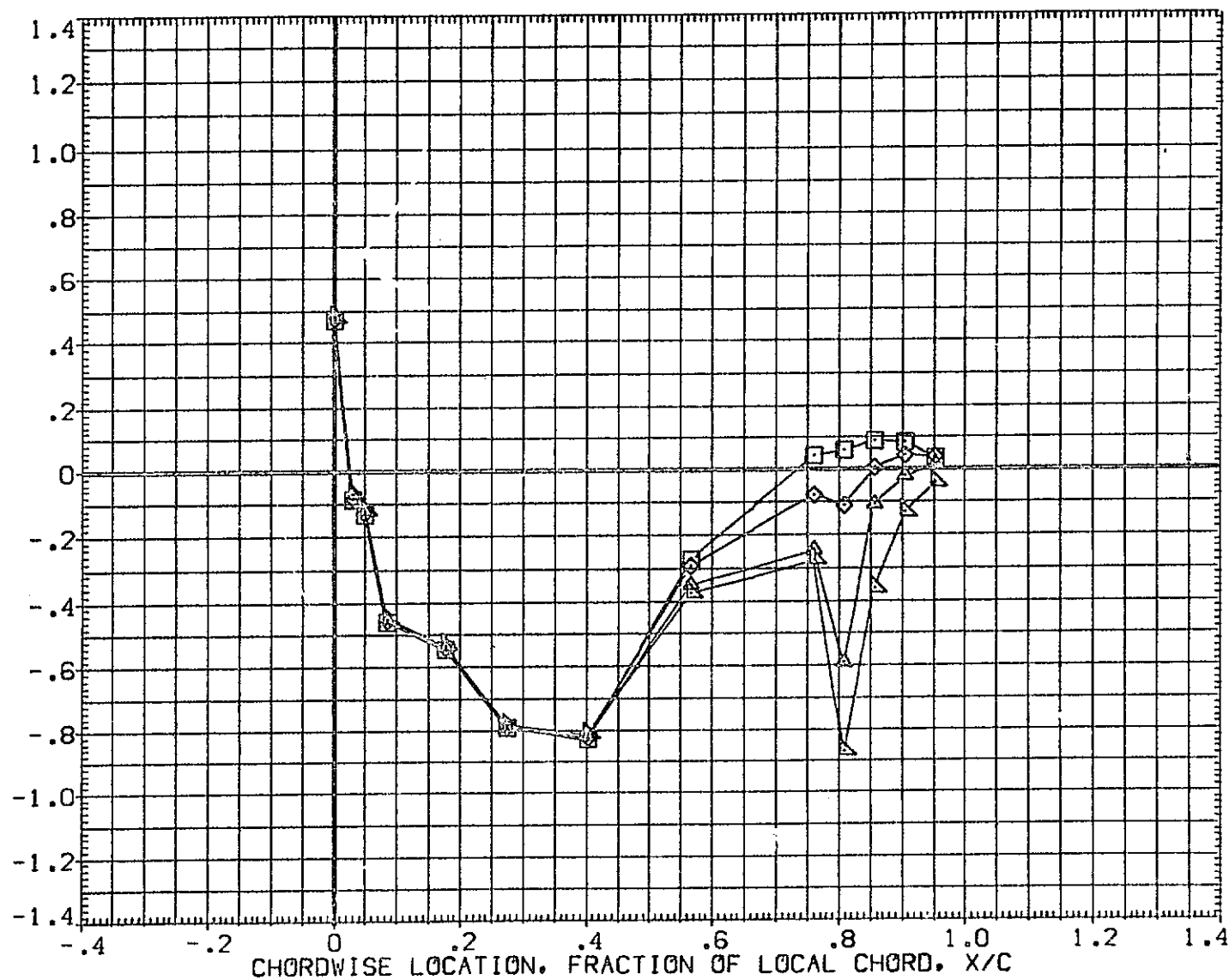


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 4.000 2Y/B .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7U53}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7U43}	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
{AF7U48}	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{AF7U53}	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{AF7U58}	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

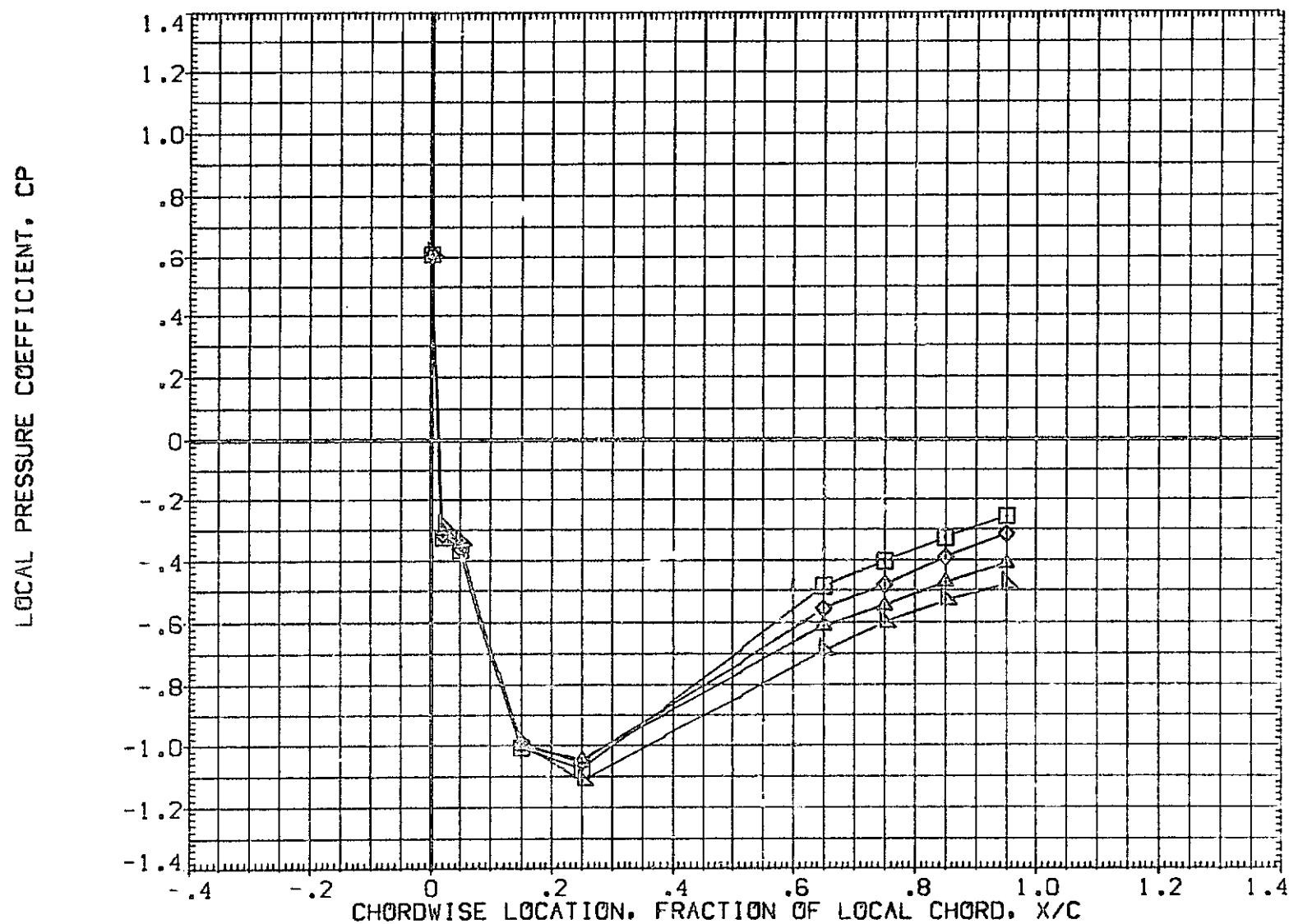


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 4.000 2Y/B = .771 PAGE 210

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{ AF7U63 }	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{ AF7U43 }	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
{ AF7U48 }	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
{ AF7U53 }	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
{ AF7U58 }	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

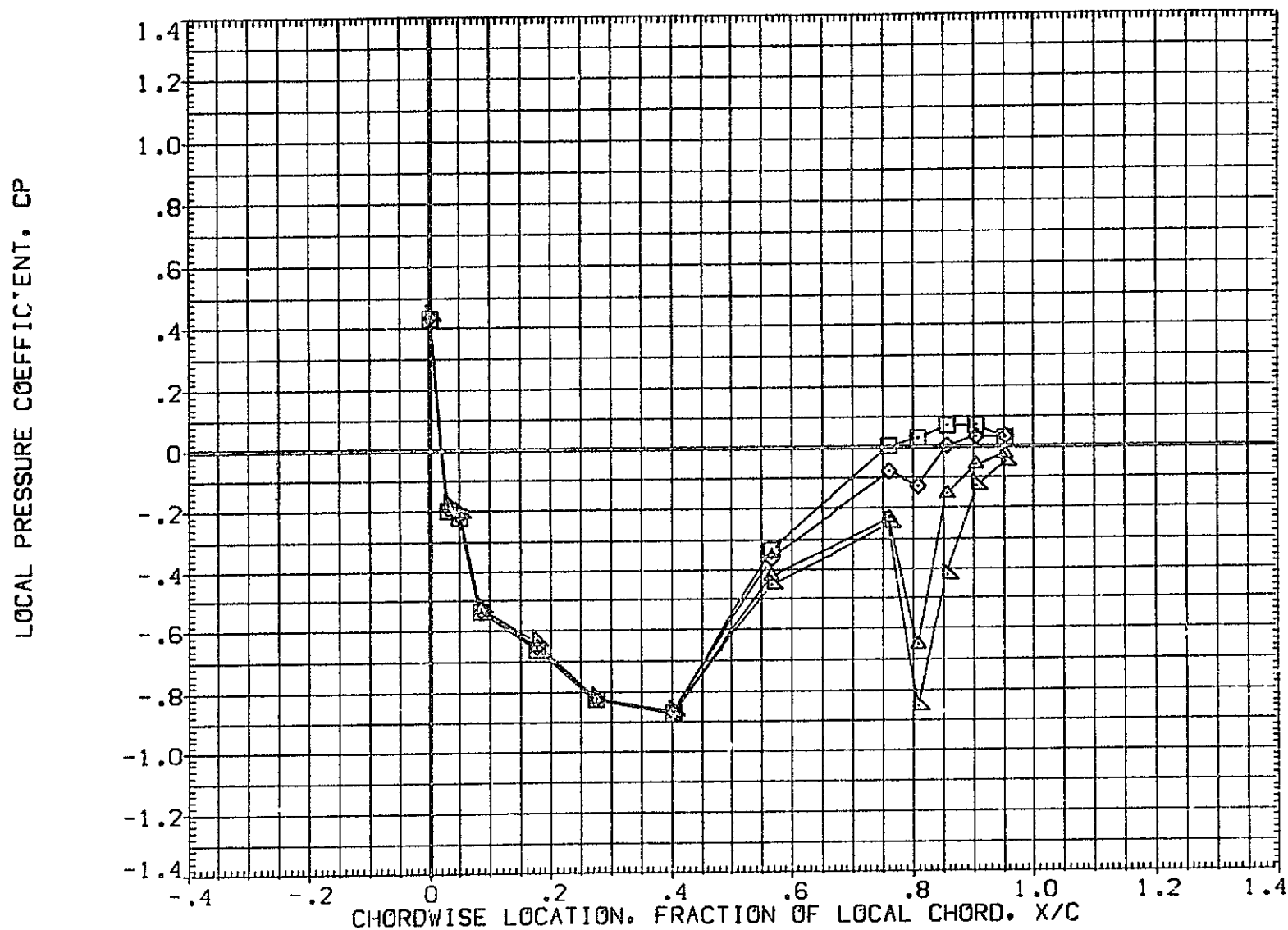


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7U63) DATA NOT AVAILABLE
 (AF7U43) 1A70 01 T12 S1 P2 P8
 (AF7U48) 1A70 01 T12 S1 P2 P8
 (AF7U53) 1A70 01 T12 S1 P2 P8
 (AF7U58) 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

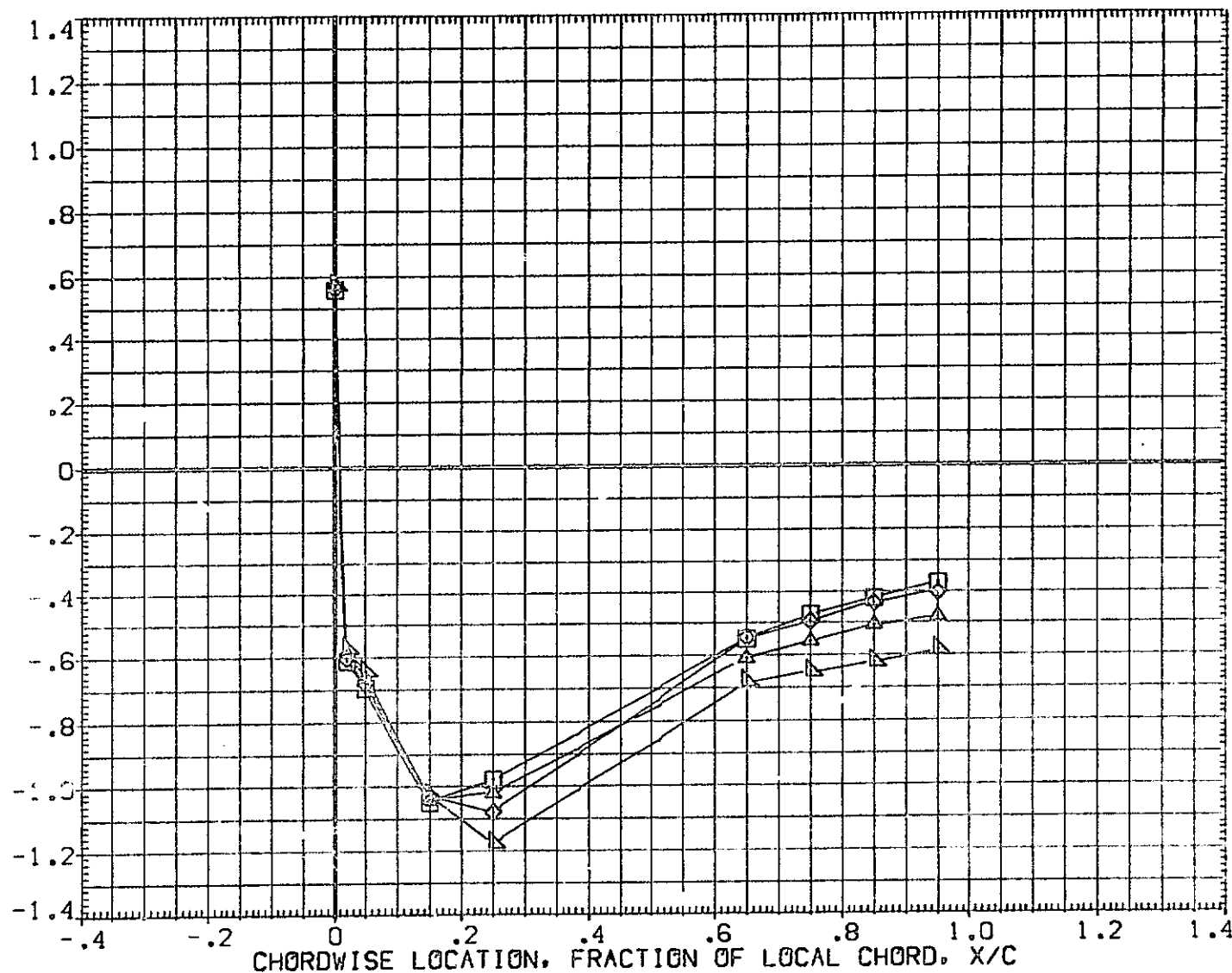


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7U63) DATA NOT AVAILABLE

(AF7U43) 1A70 01 T12 S1 P2 P8

(AF7U48) 1A70 01 T12 S1 P2 P8

(AF7U53) 1A70 01 T12 S1 P2 P8

(AF7U58) 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

ELV-1

-4.000

.000

4.000

8.000

ELV-2

.000

.000

4.000

8.000

ELV-3

-4.000

.000

4.000

8.000

ELV-4

-4.000

.000

4.000

8.000

LOCAL PRESSURE COEFFICIENT, CP

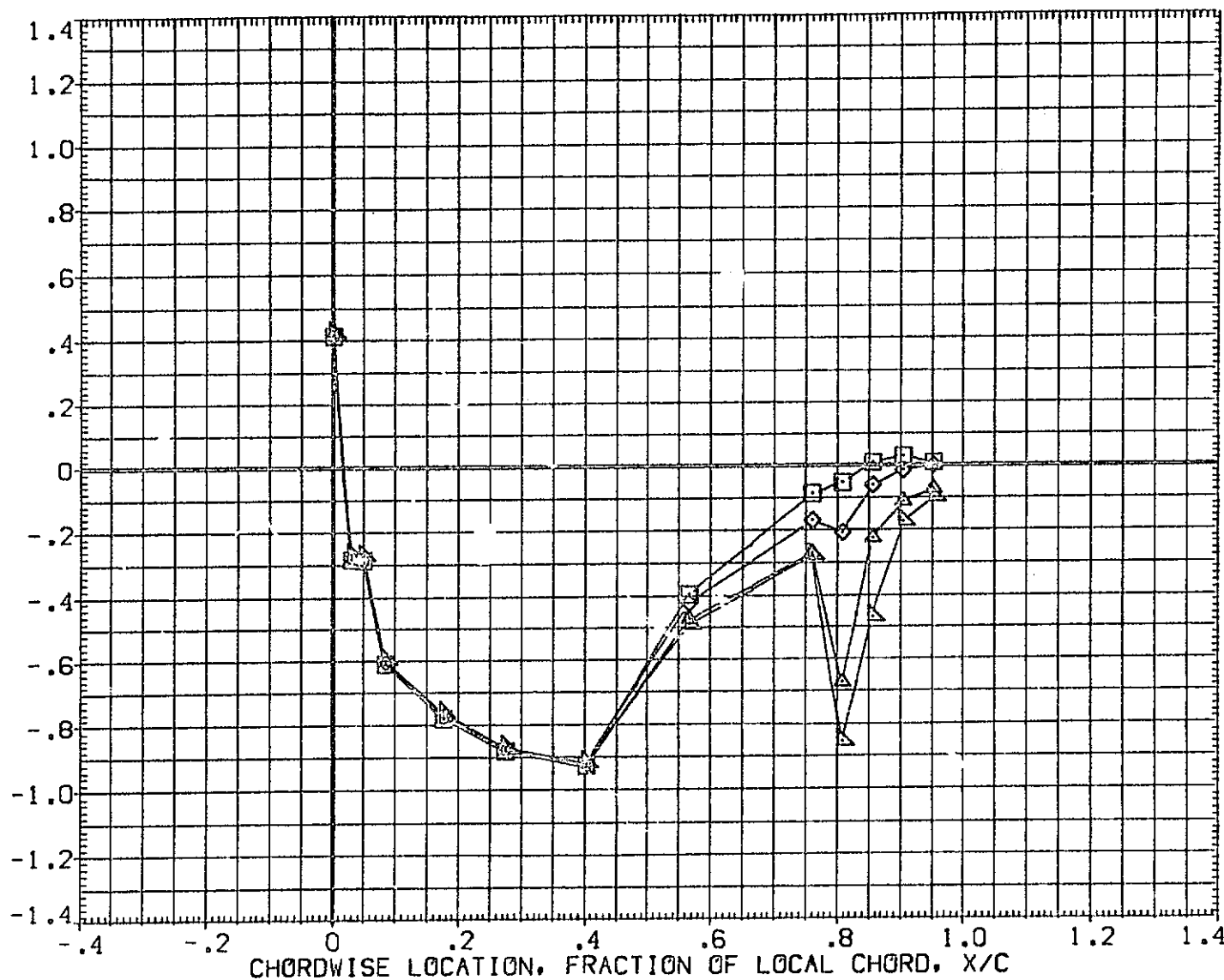


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 8.000 2Y/B .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7U53)	DATA NOT AVAILABLE
(AF7U43)	IA70 01 T12 S1 P2 P8
(AF7U48)	IA70 01 T12 S1 P2 P8
(AF7U53)	IA70 01 T12 S1 P2 P8
(AF7U58)	IA70 01 T12 S1 P2 P8

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

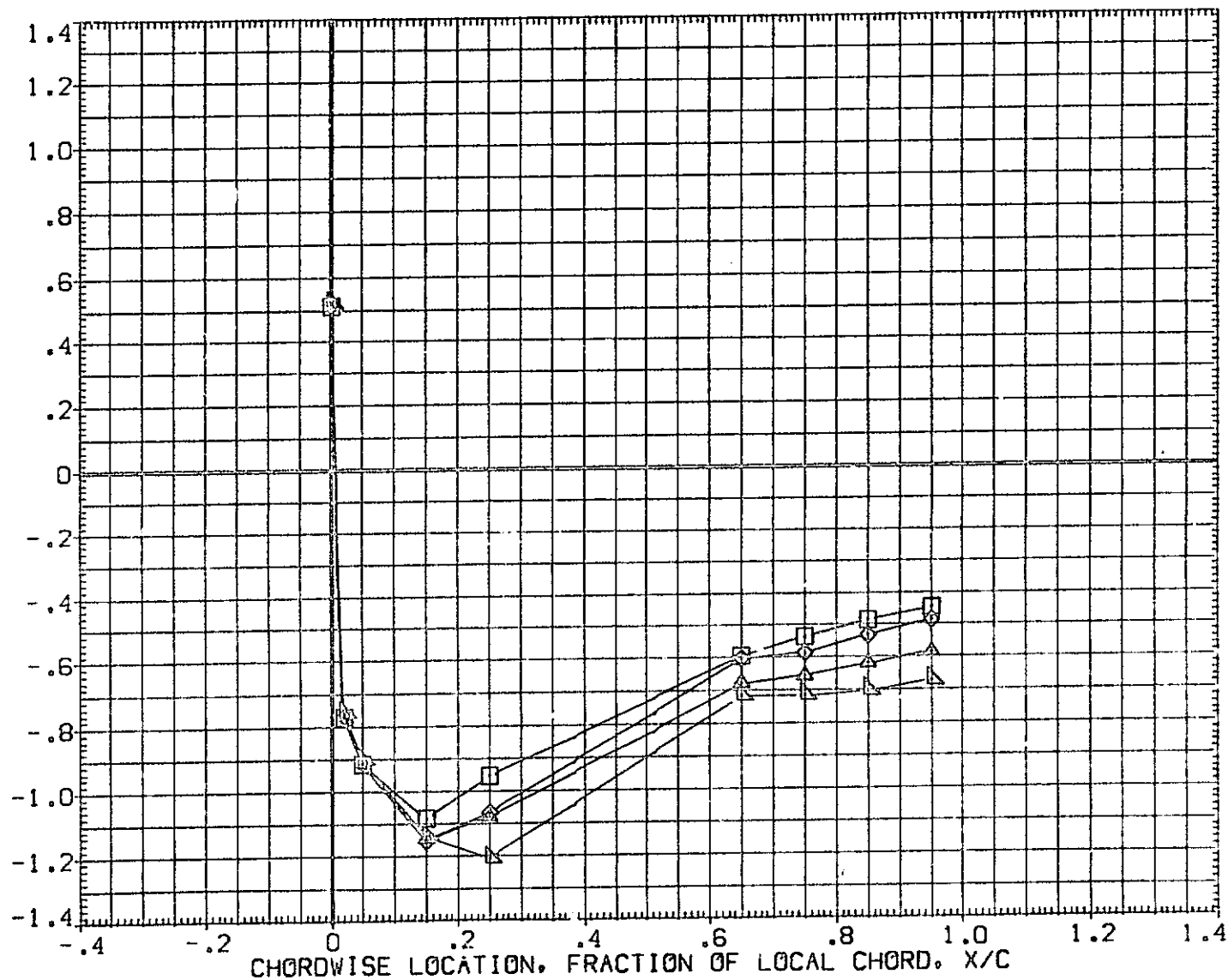


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

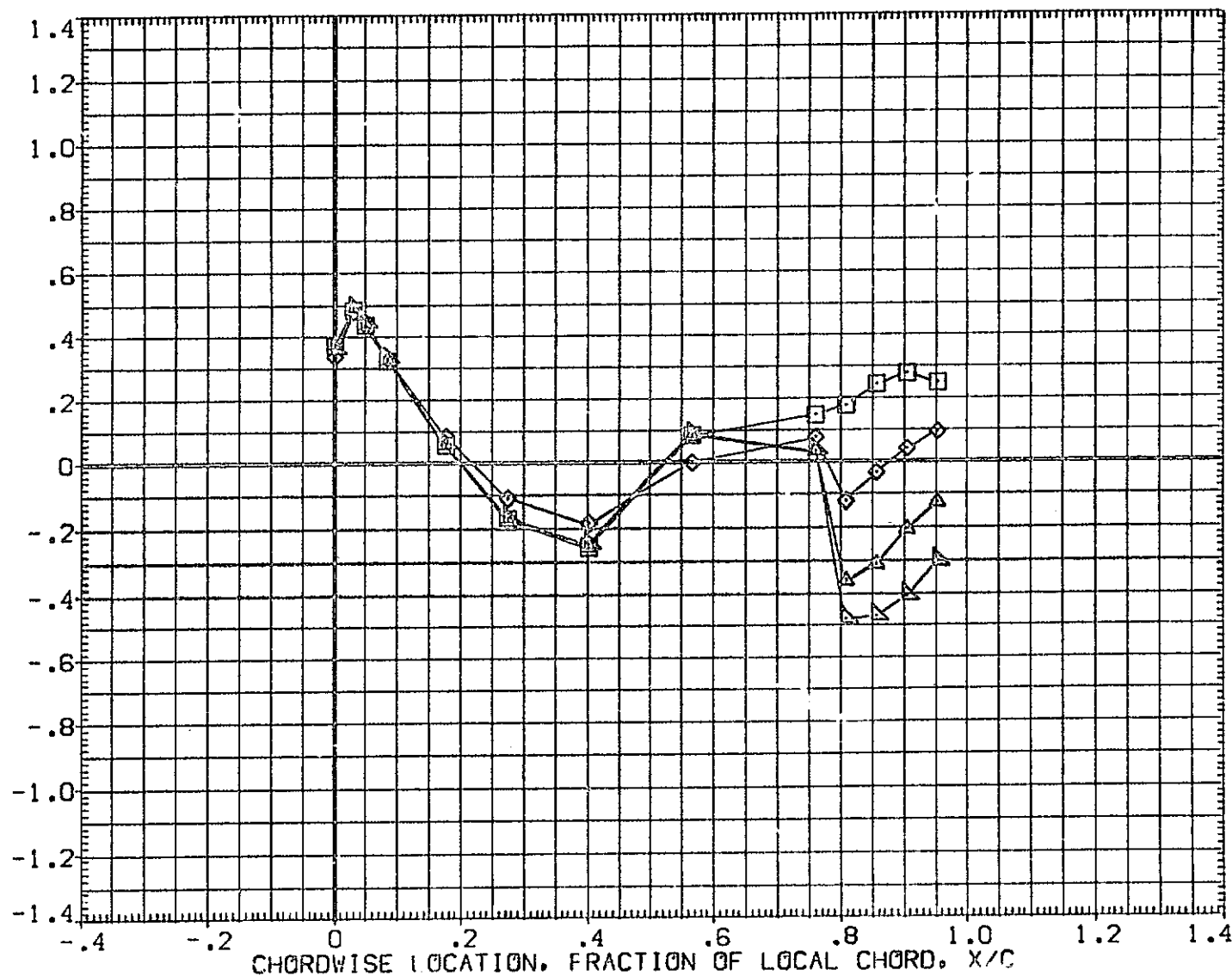


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$
MACH = 1.120 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [AF7U63] DATA NOT AVAILABLE
 [AF7U43] 1A70 01 T12 S1 P2 P8
 [AF7U48] 1A70 01 T12 S1 P2 P8
 [AF7J53] 1A70 01 T12 S1 P2 P8
 [AF7U58] 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

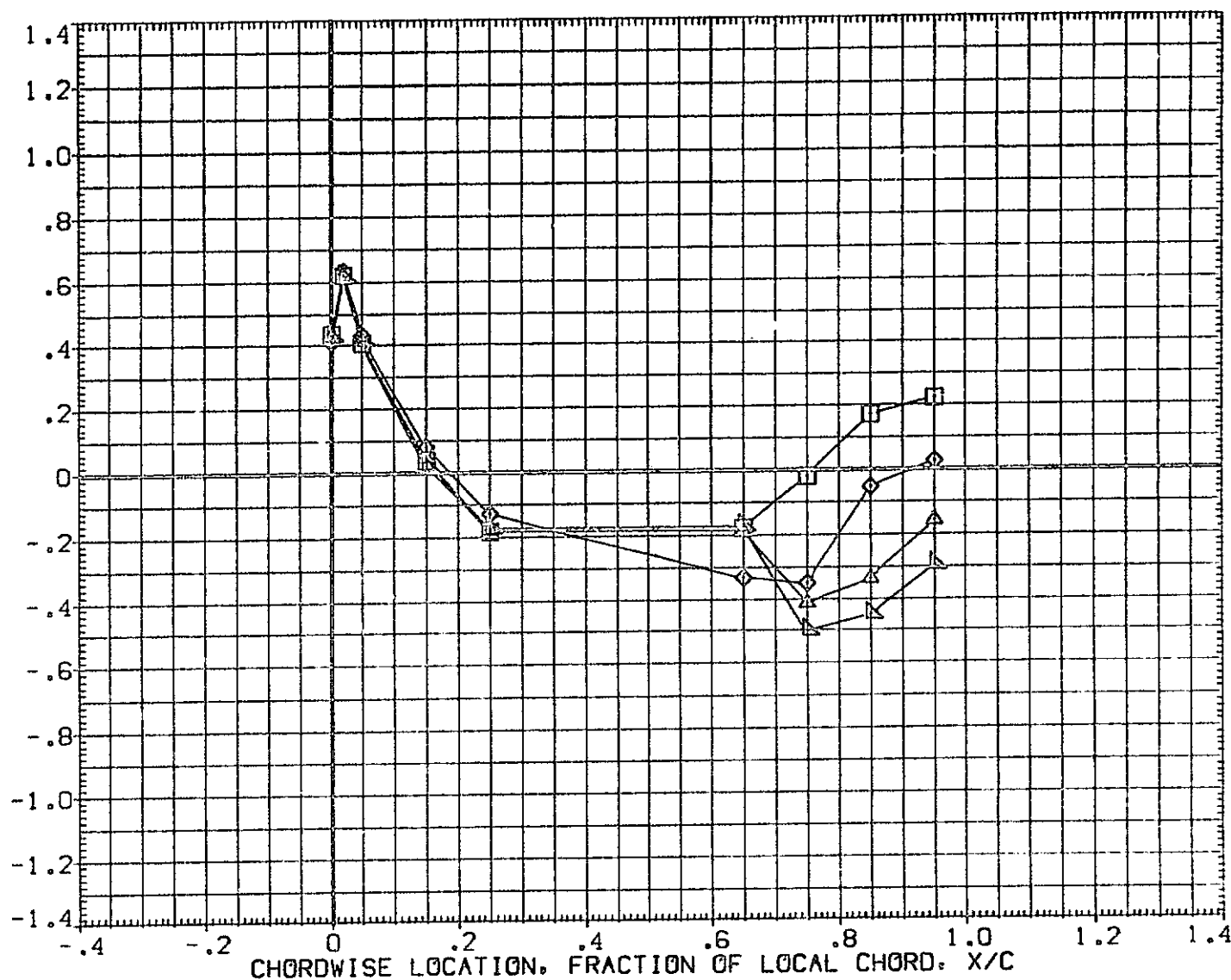


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -8.000 2Y/B = .77:

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AF7U63}	DATA NOT AVAILABLE
{AF7U43}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
{AF7U48}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
{AF7U53}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
{AF7U58}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

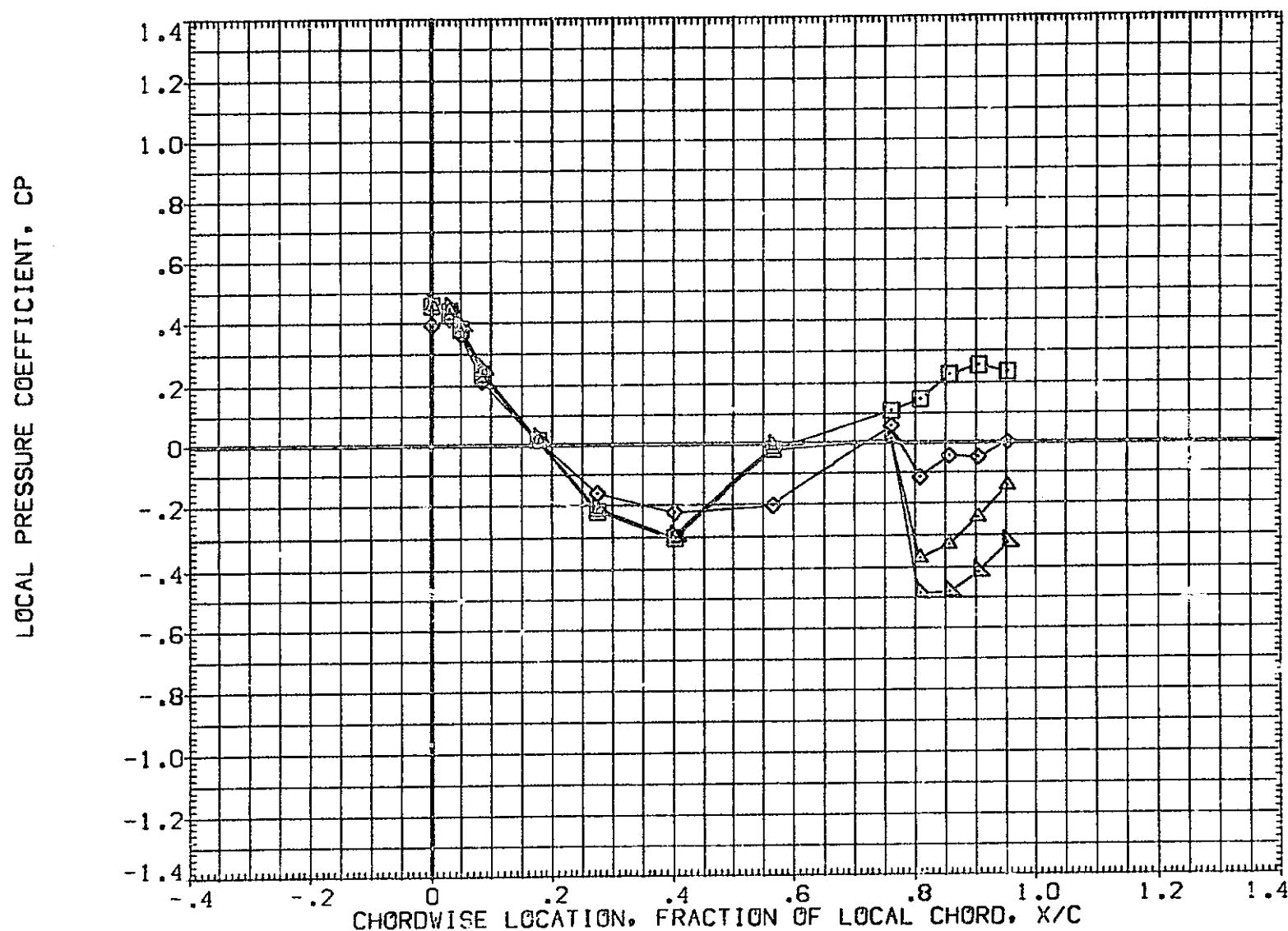


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U63]	DATA NOT AVAILABLE
[AF7U43]	1A70 01 T12 S1 P2 P8
[AF7U48]	1A70 01 T12 S1 P2 P8
[AF7U53]	1A70 01 T12 S1 P2 P8
[AF7U58]	1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

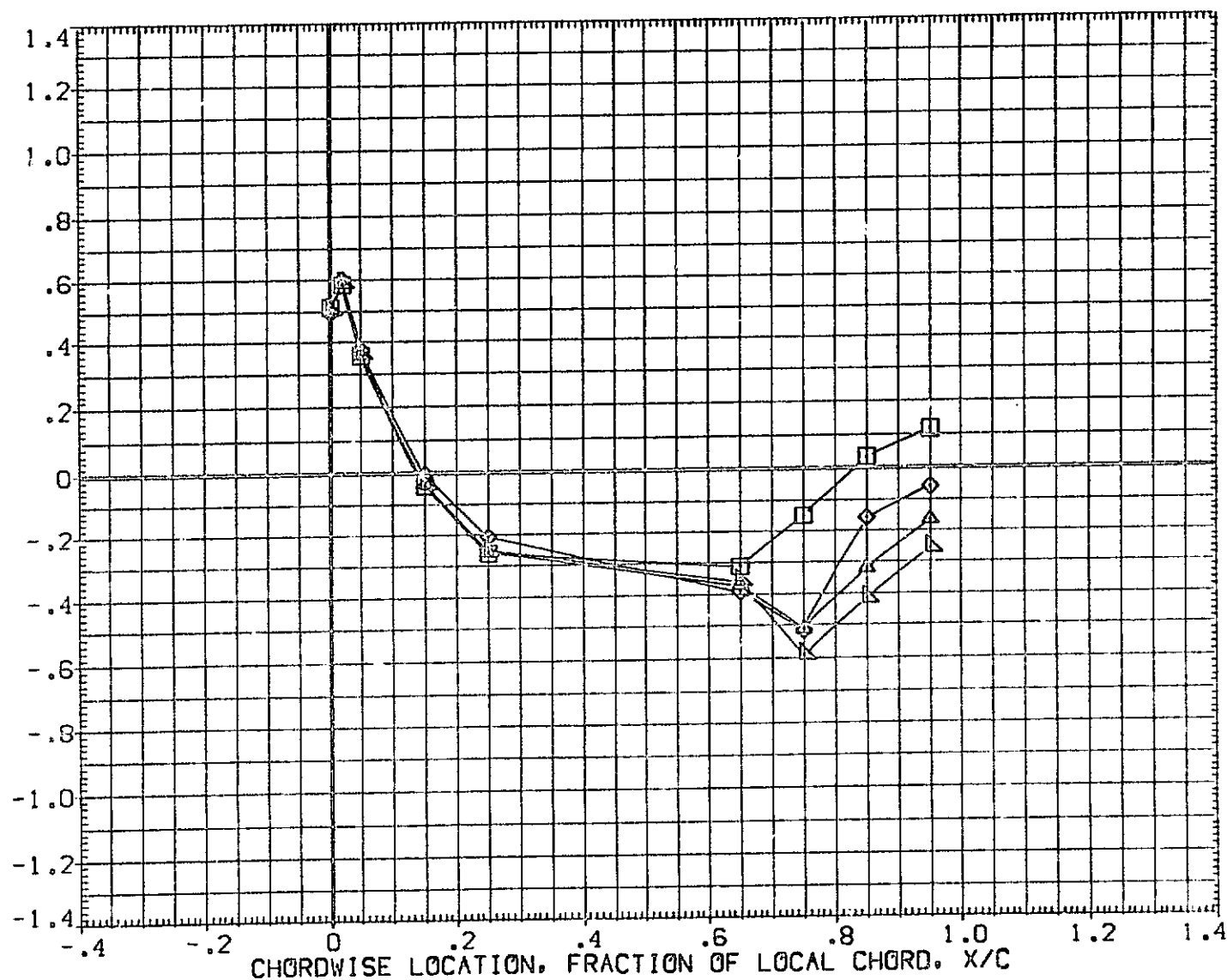


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

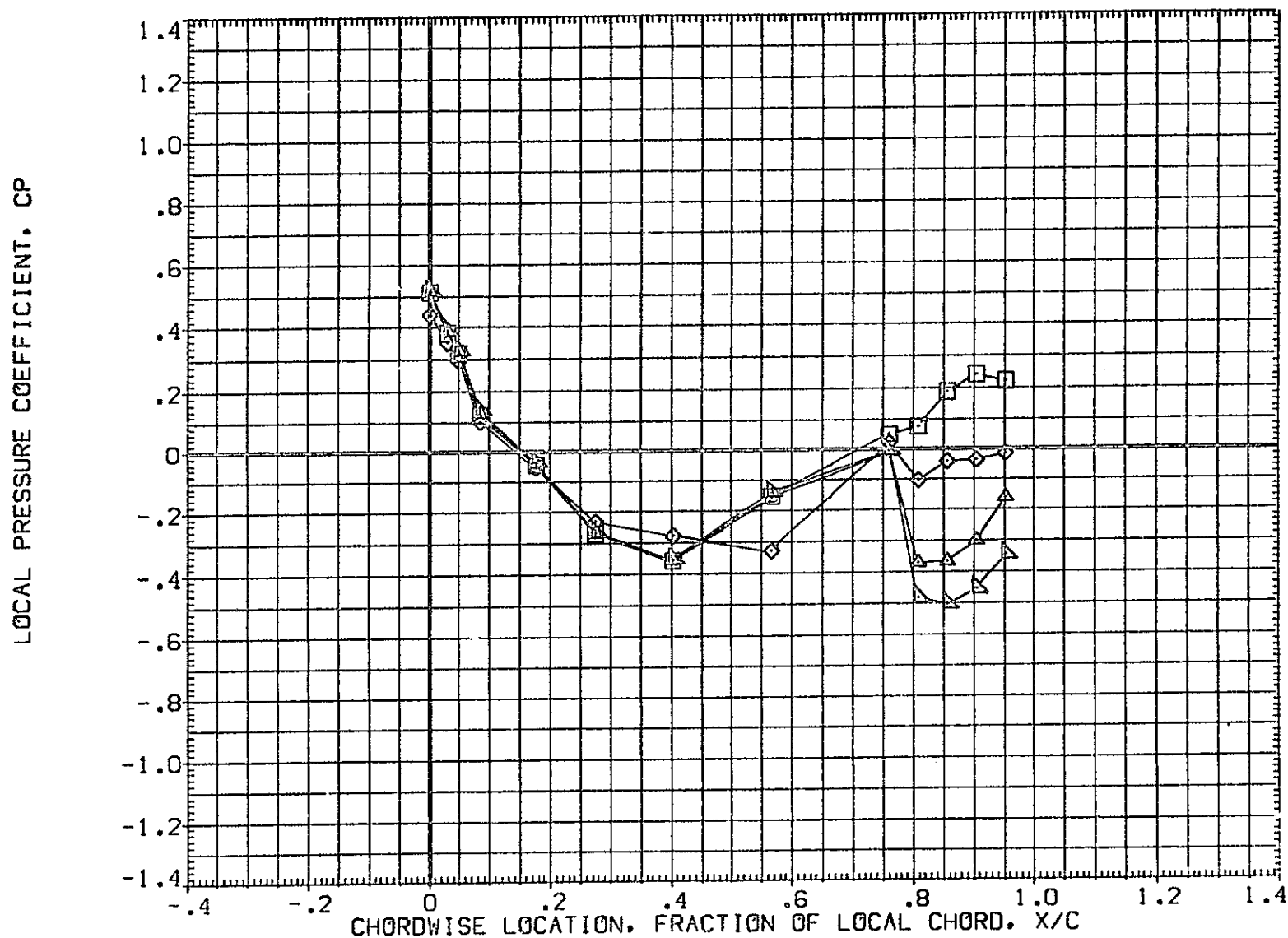


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7U53) DATA NOT AVAILABLE
 (AF7U43) 1A70 01 T12 S1 P2 P8
 (AF7U46) 1A70 01 T12 S1 P2 P8
 (AF7U53) 1A70 01 T12 S1 P2 P8
 (AF7U58) 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

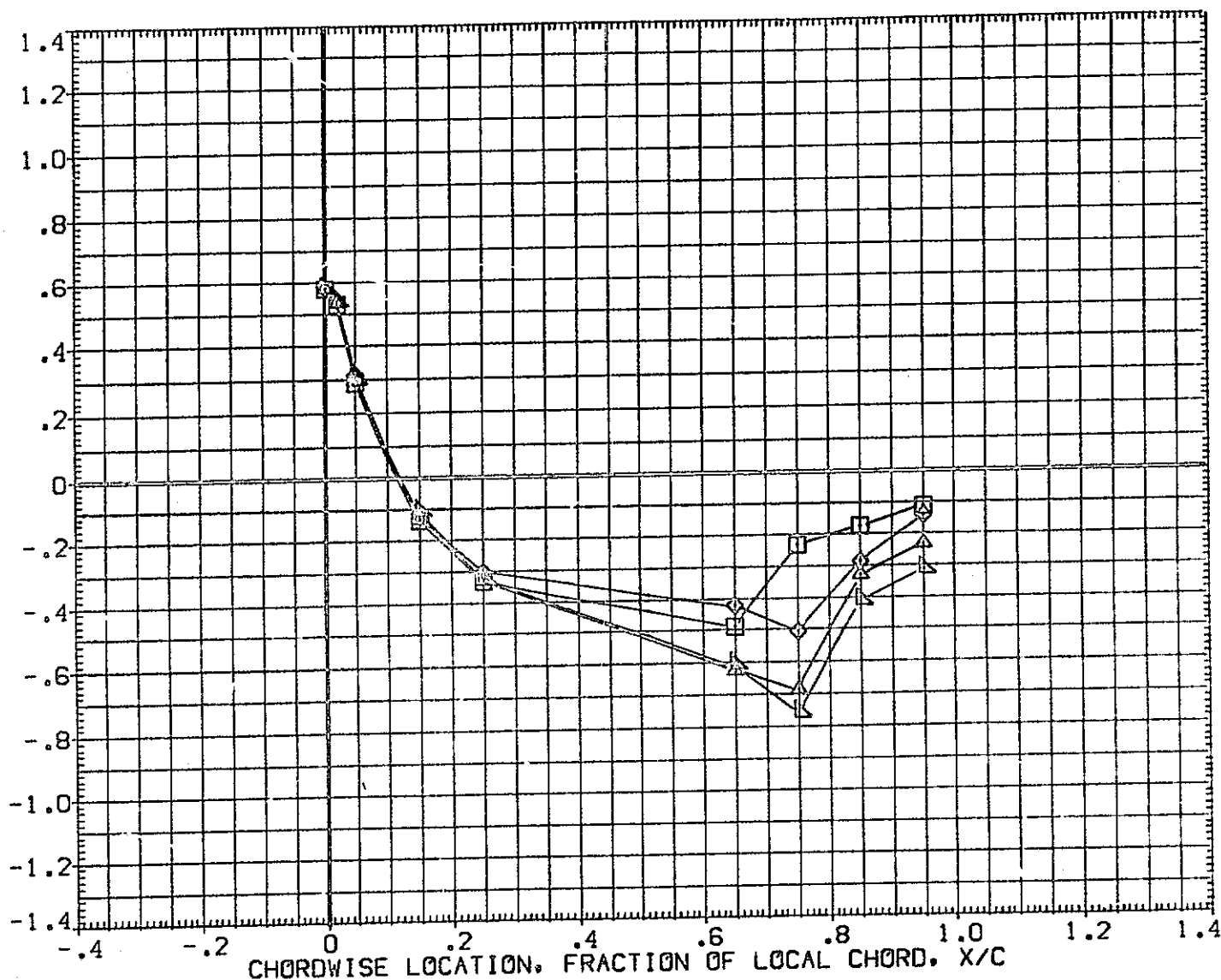


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -4.000 2Y/B = .771

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7U63} DATA NOT AVAILABLE

{AF7U43} 1A70 01 T12 S1 P2 P8

{AF7U48} 1A70 01 T12 S1 P2 P8

{AF7U53} 1A70 01 T12 S1 P2 P8

{AF7U58} 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

ELV-1

ELV-2

ELV-3

ELV-4

-4.000 .000 -4.000 -4.000

.000 .000 .000 .000

4.000 4.000 4.000 4.000

8.000 8.000 8.000 8.000

8.000 12.000 12.000 12.000

LOCAL PRESSURE COEFFICIENT, CP

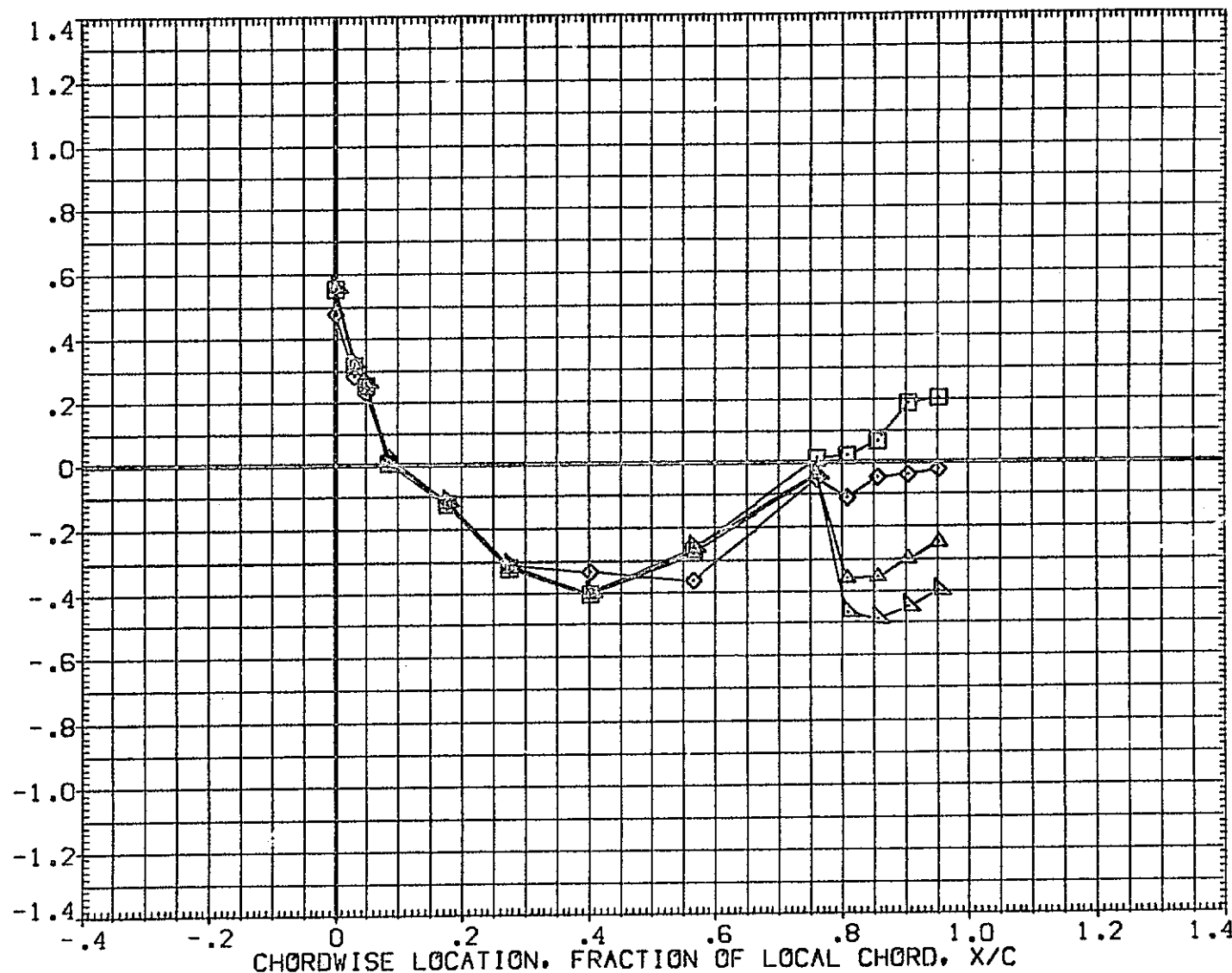


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -2.000 2Y/B = .436

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

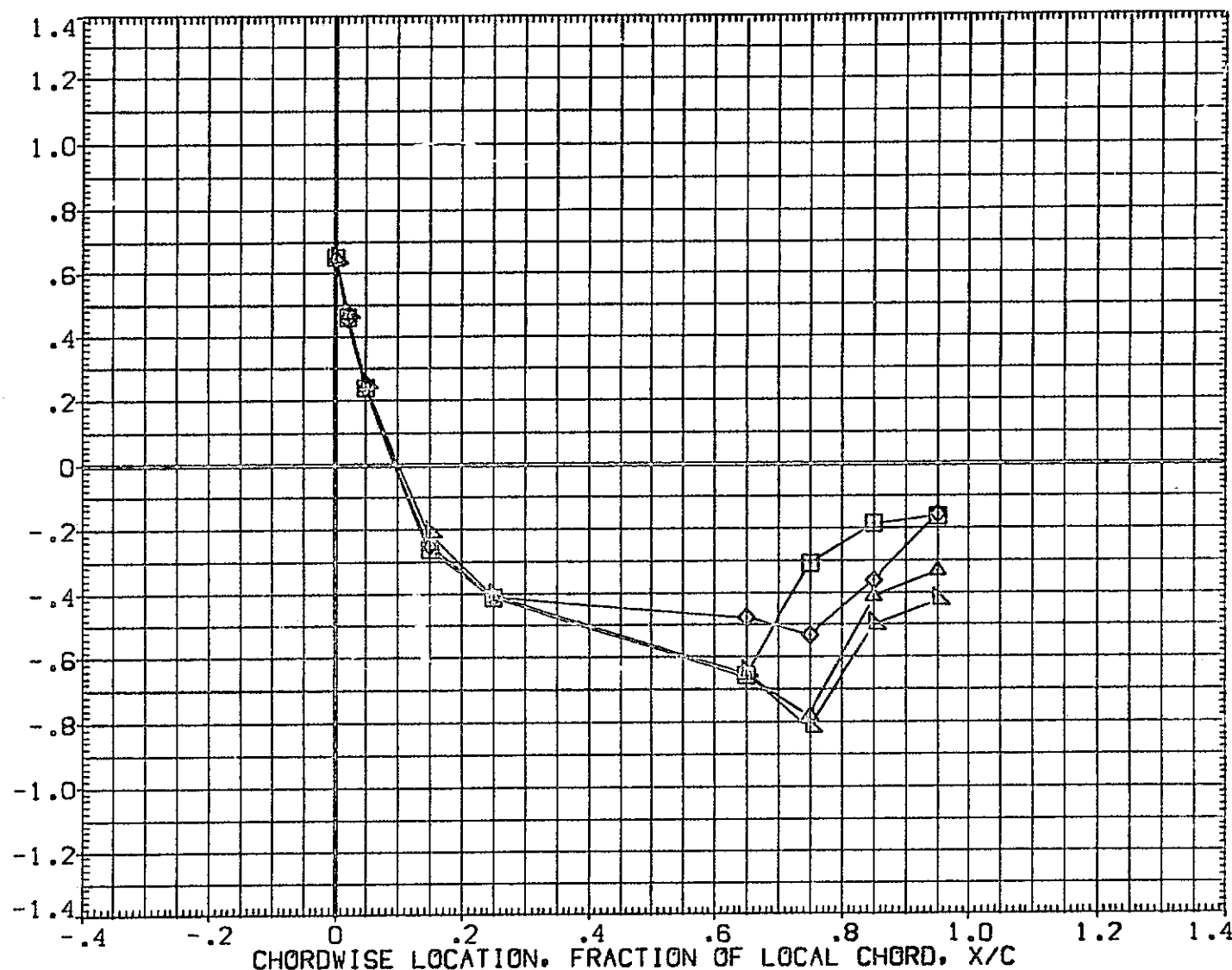


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

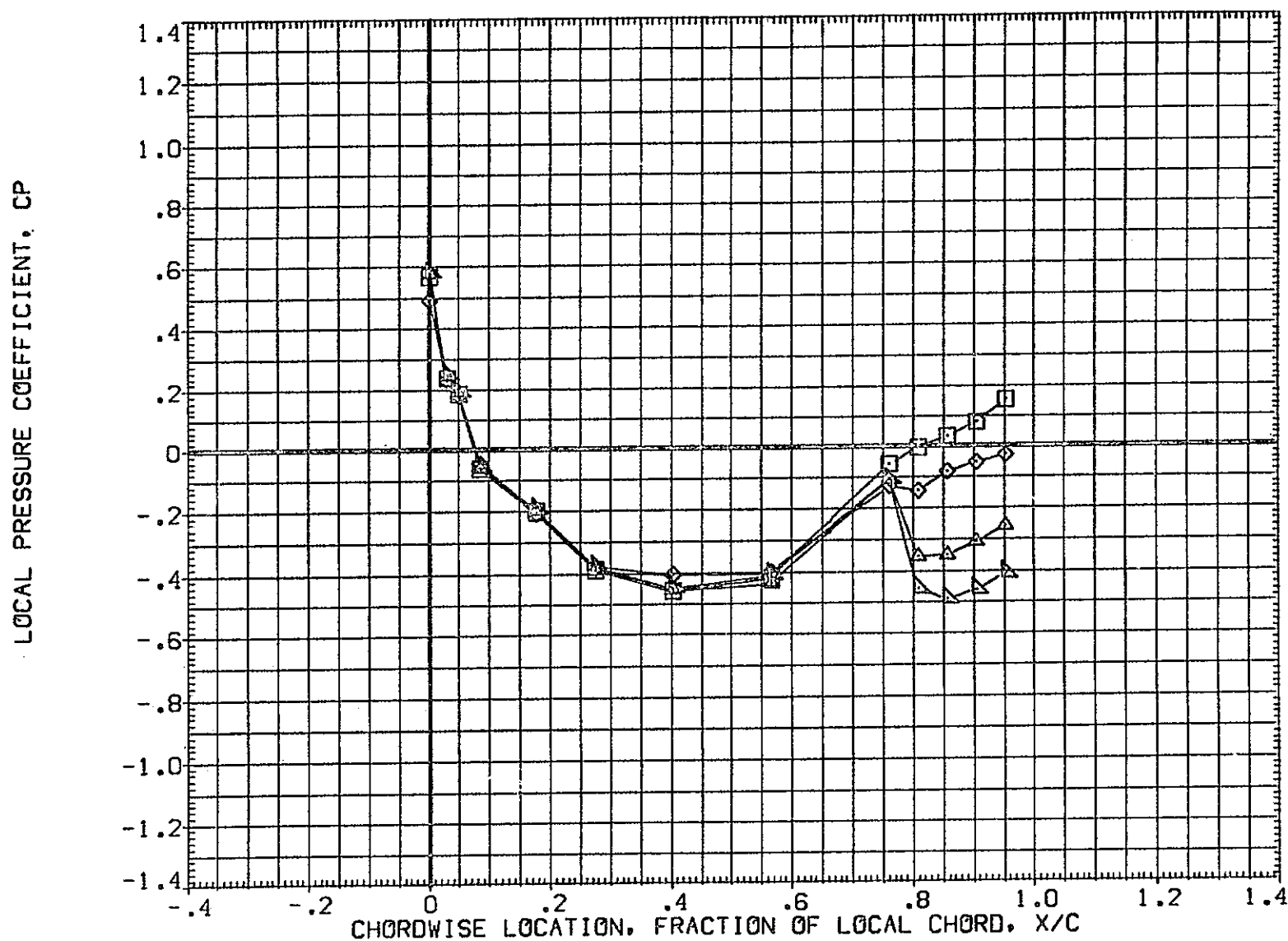


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = .000 2Y/B = .436 PAGE 223

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

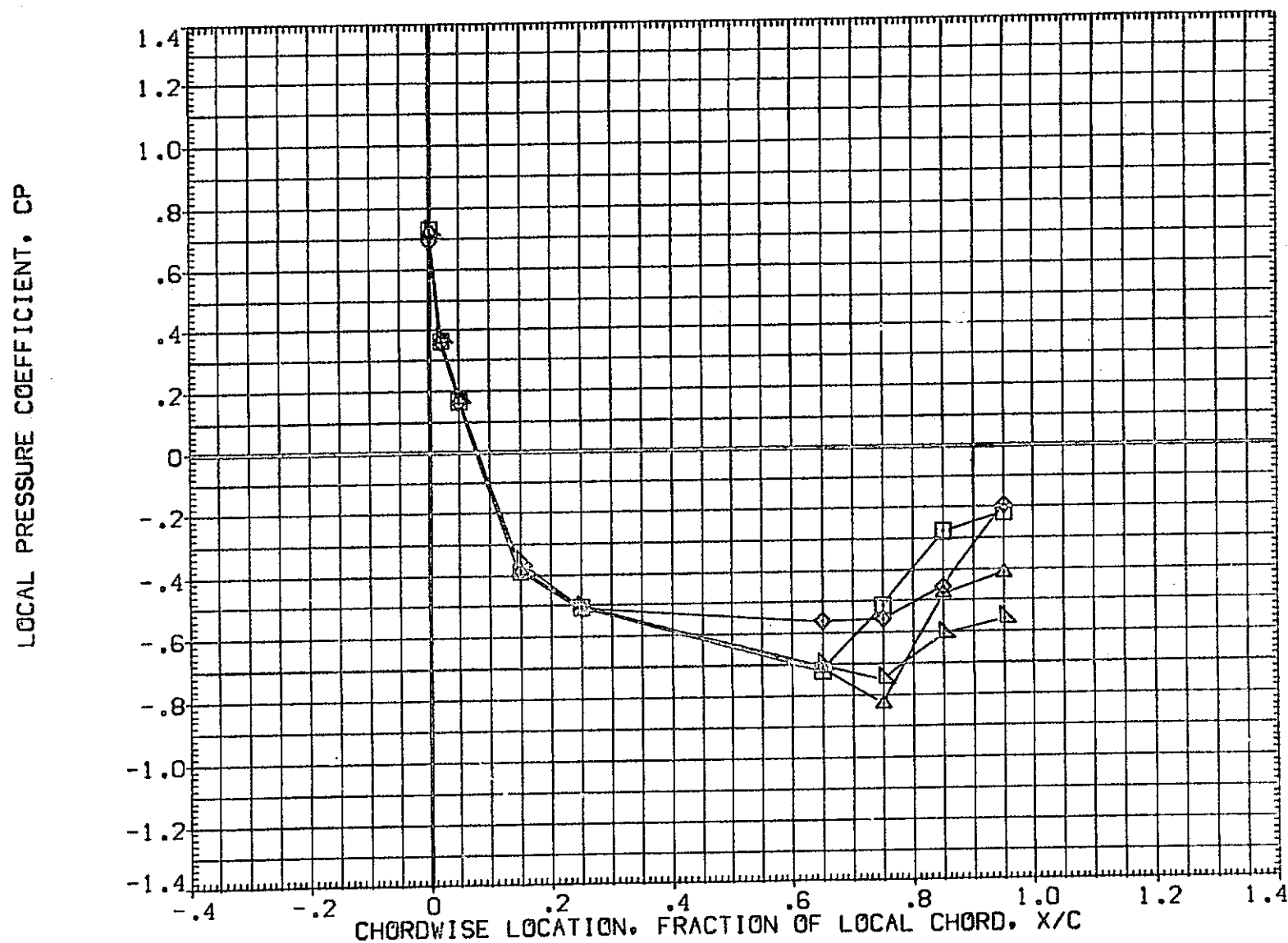


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = .000 2Y/B = .771 PAGE 224

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U48)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U58)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

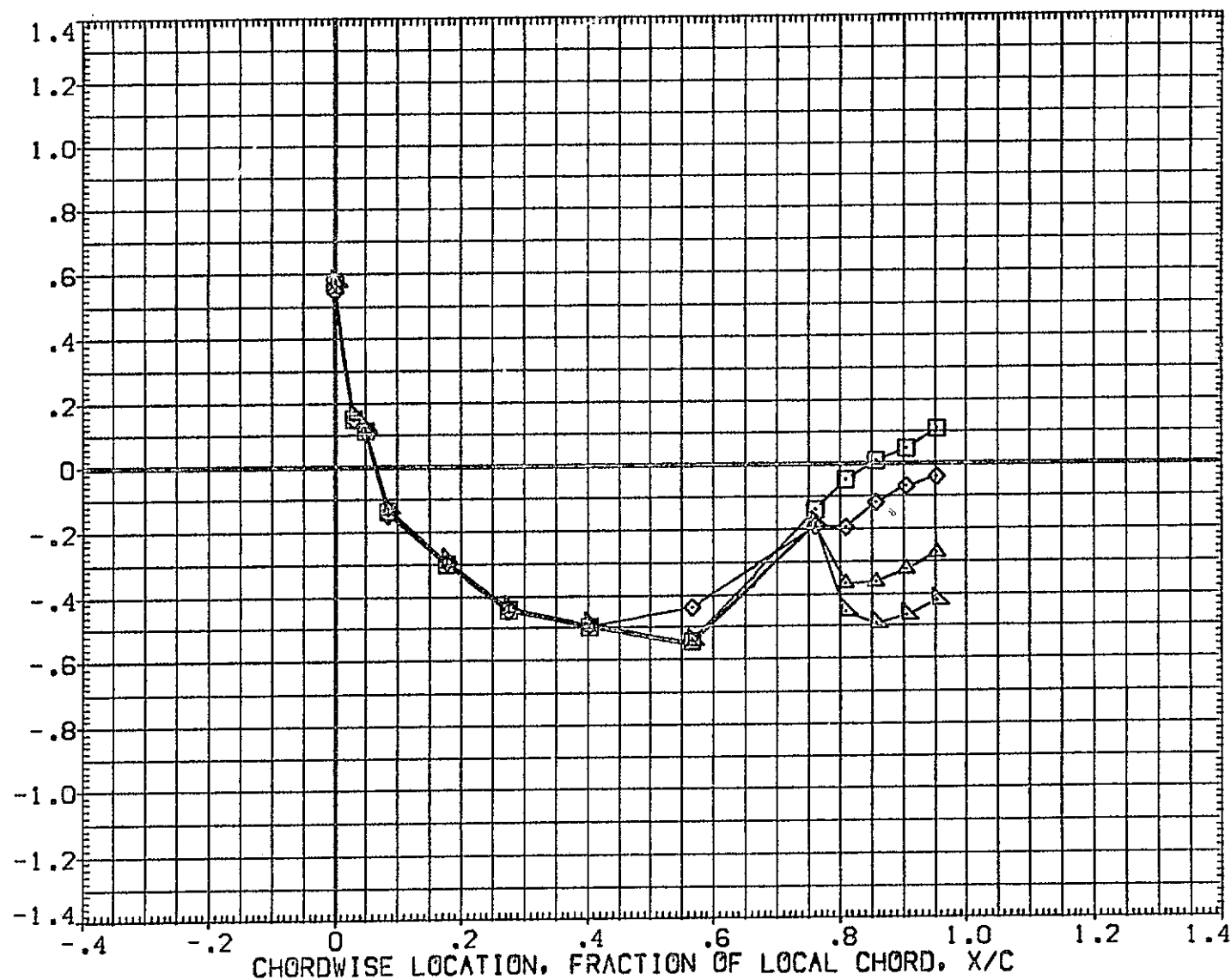


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U53]	DATA NOT AVAILABLE
[AF7U43]	1A70 01 T12 S1 P2 P8
[AF7U48]	1A70 01 T12 S1 P2 P8
[AF7U53]	1A70 01 T12 S1 P2 P8
[AF7U58]	1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

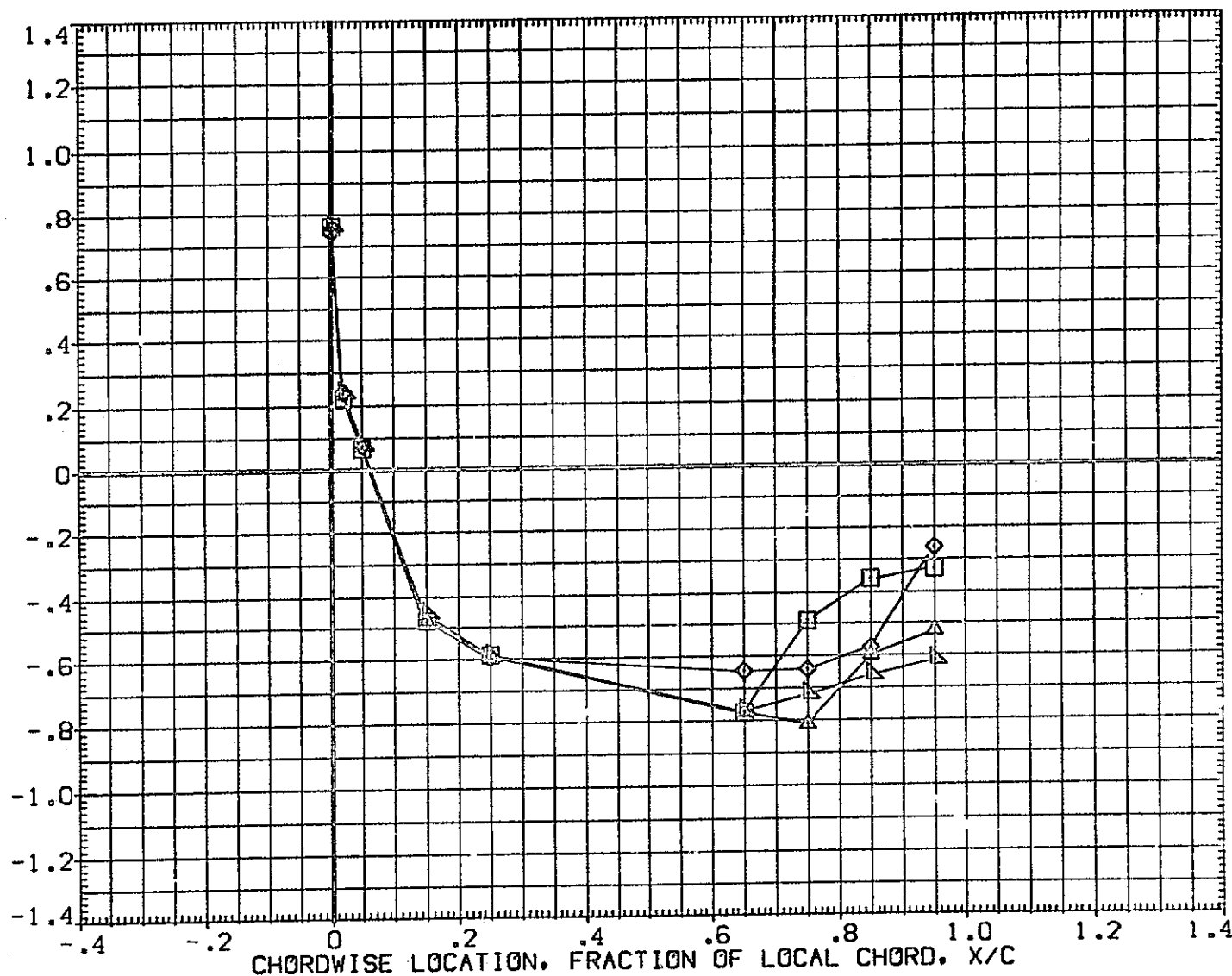


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 - ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7U63] DATA NOT AVAILABLE

[AF7U43] IA70 01 T12 S1 P2 P8

[AF7U48] IA70 01 T12 S1 P2 P8

[AF7U53] IA70 01 T12 S1 P2 P8

[AF7U58] IA70 01 T12 S1 P2 P8

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

ELV-1

ELV-2

ELV-3

ELV-4

-4.000

.000

-4.000

-4.000

.000

.000

.000

.000

4.000

4.000

4.000

4.000

8.000

8.000

8.000

8.000

8.000

12.000

12.000

12.000

LOCAL PRESSURE COEFFICIENT, CP

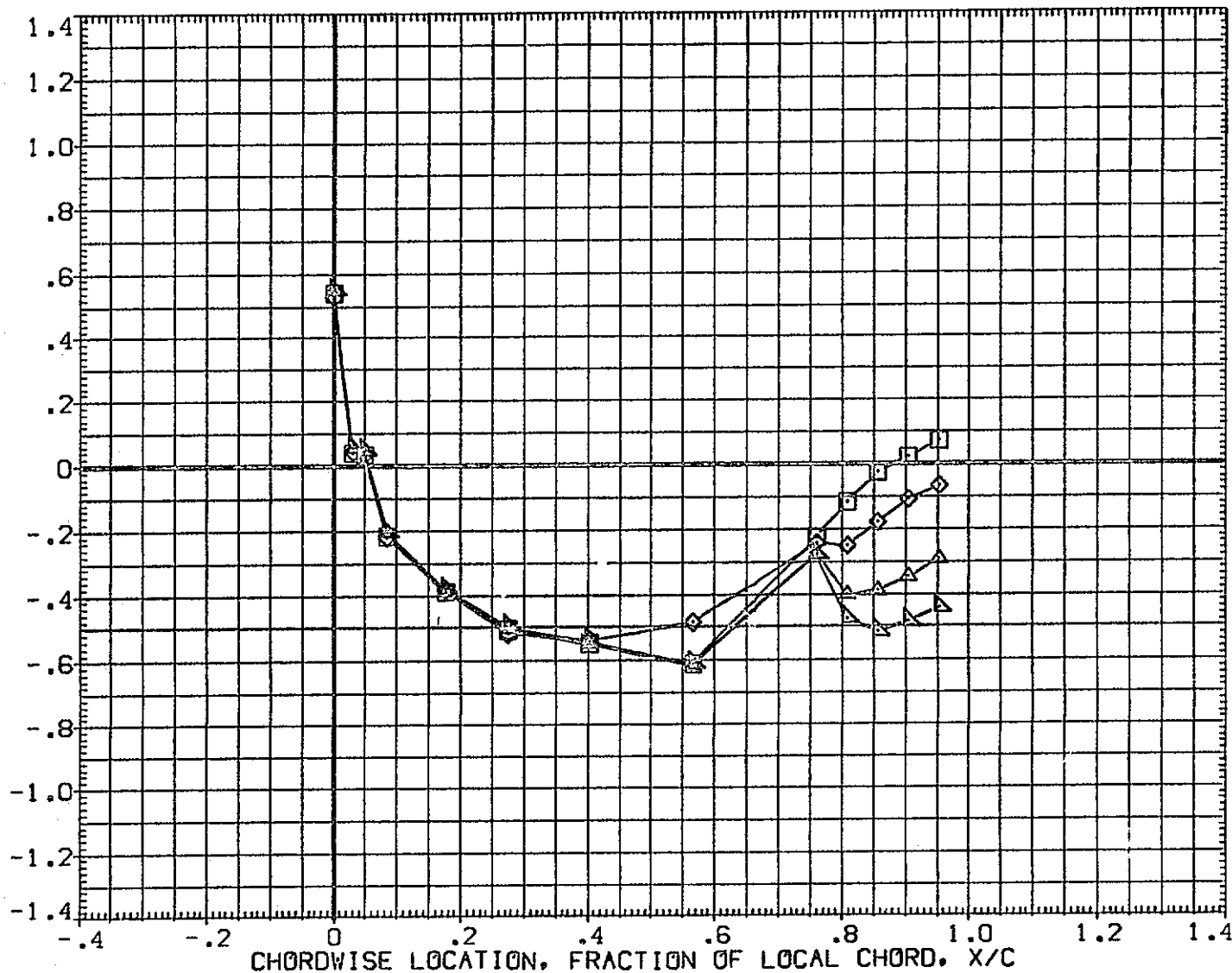


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 4.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U63]	DATA NOT AVAILABLE
[AF7U13]	1A70 01 T12 S1 P2 P8
[AF7U48]	1A70 01 T12 S1 P2 P8
[AF7U53]	1A70 01 T12 S1 P2 P8
[AF7U58]	1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, C_p

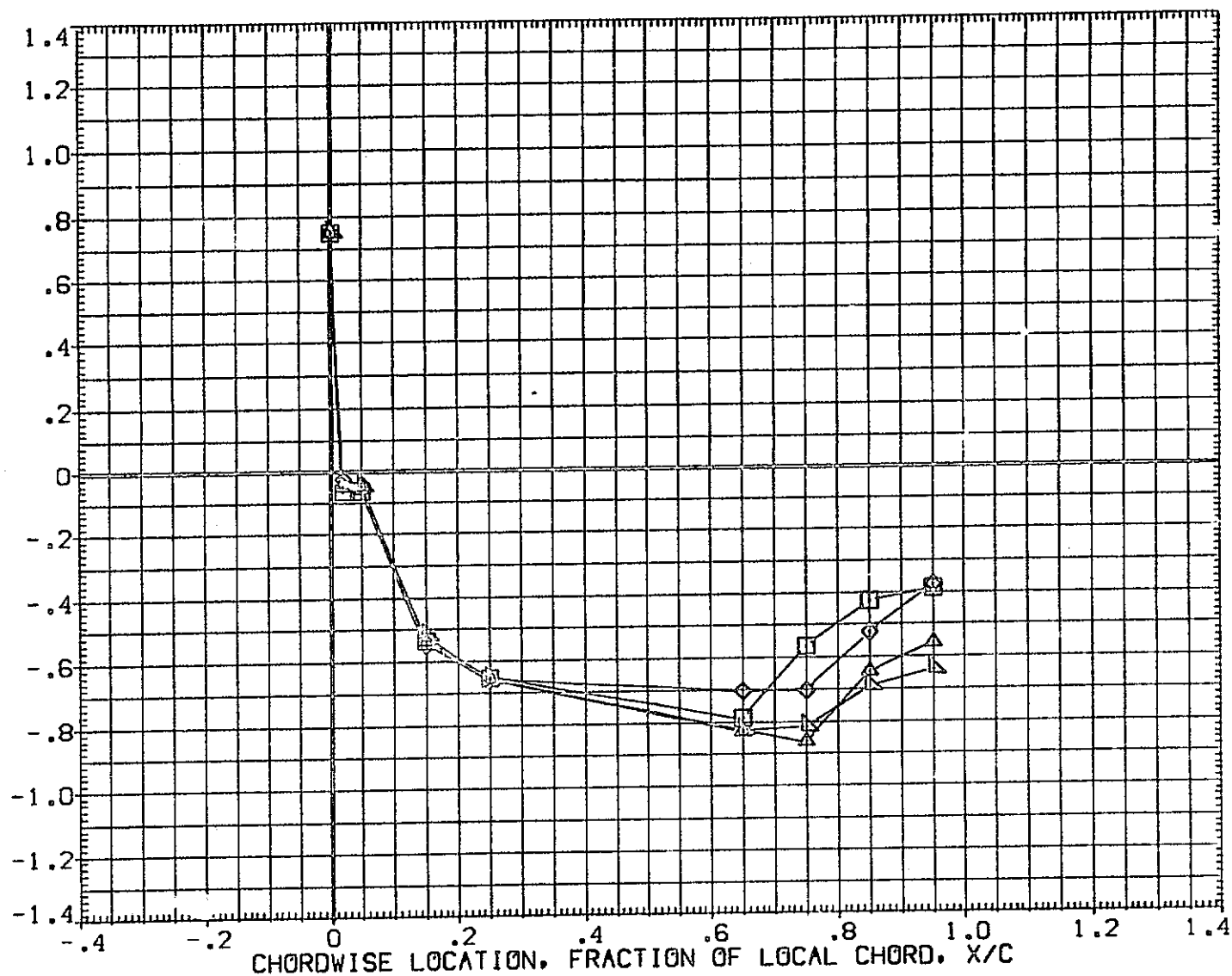


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$

MACH = 1.120 ALPHA = 4.000 $2Y/B = .771$

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7U63] □ DATA NOT AVAILABLE
 [AF7U43] □ IA70 01 T12 S1 P2 P8
 [AF7U48] ◇ IA70 01 T12 S1 P2 P8
 [AF7U53] △ IA70 01 T12 S1 P2 P8
 [AF7U58] △ IA70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

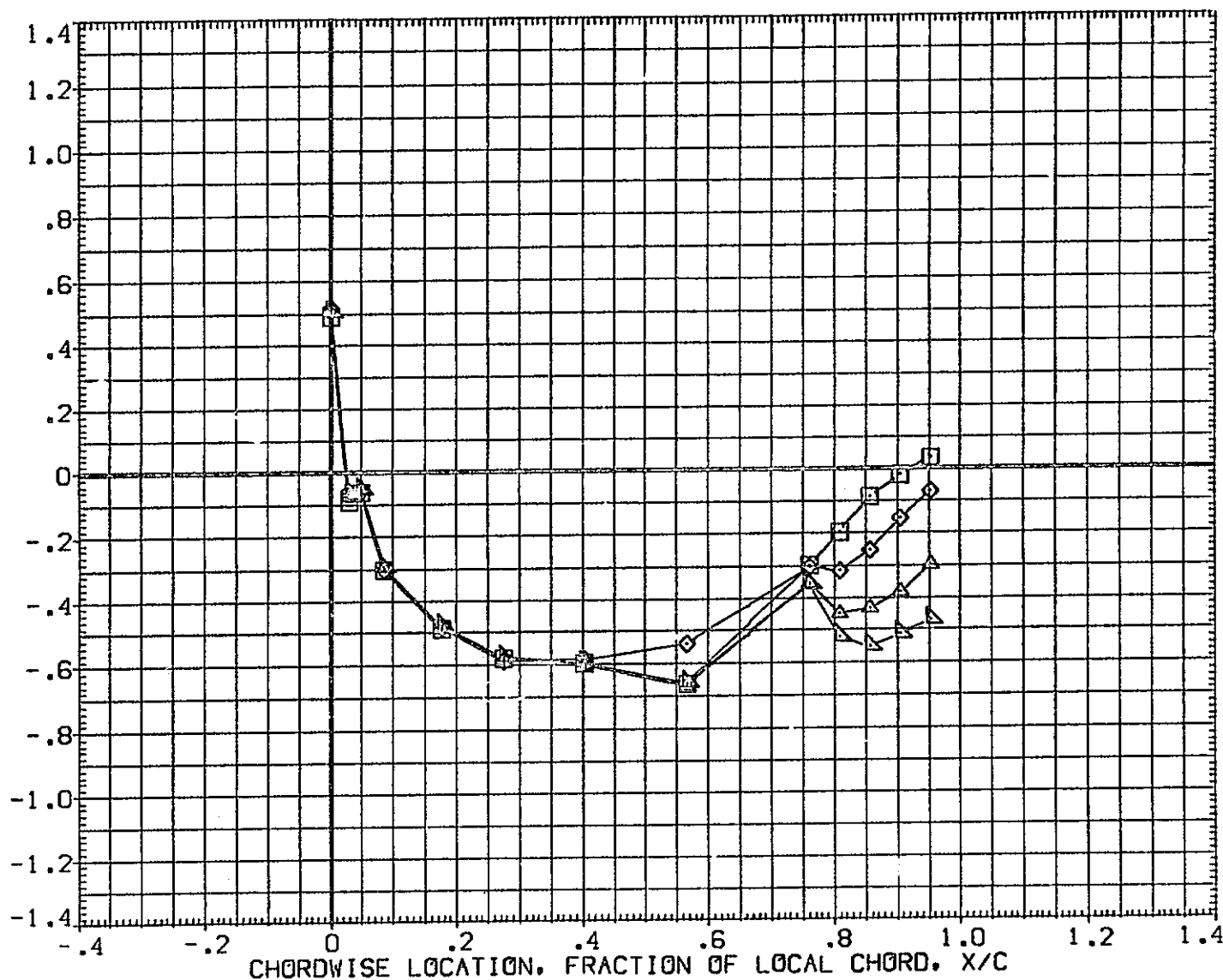


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U53]	DATA NOT AVAILABLE
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

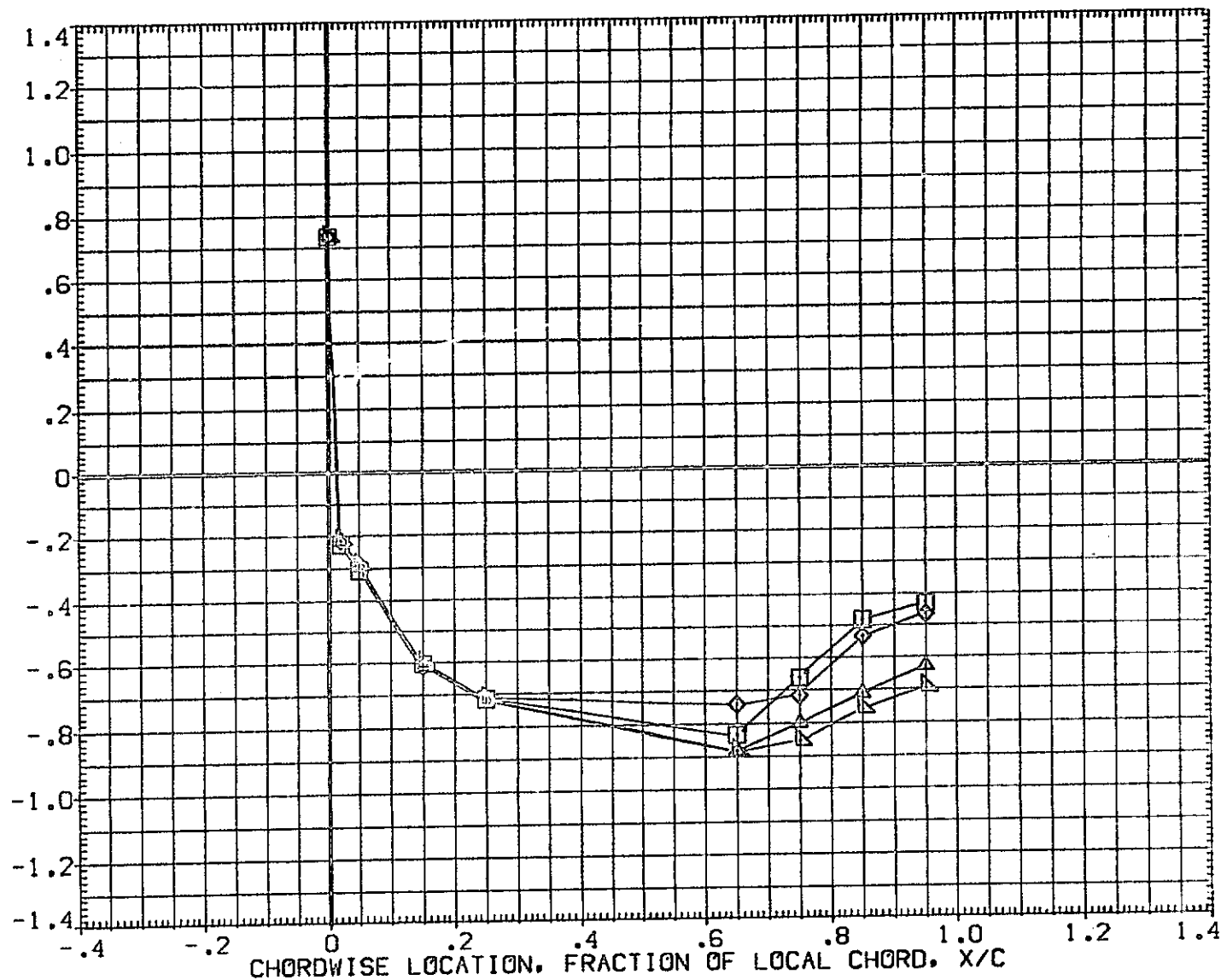


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{AF7U63} □ DATA NOT AVAILABLE

{AF7U43} ○ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

{AF7U48} ○ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

{AF7U53} × 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

{AF7U58} △ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

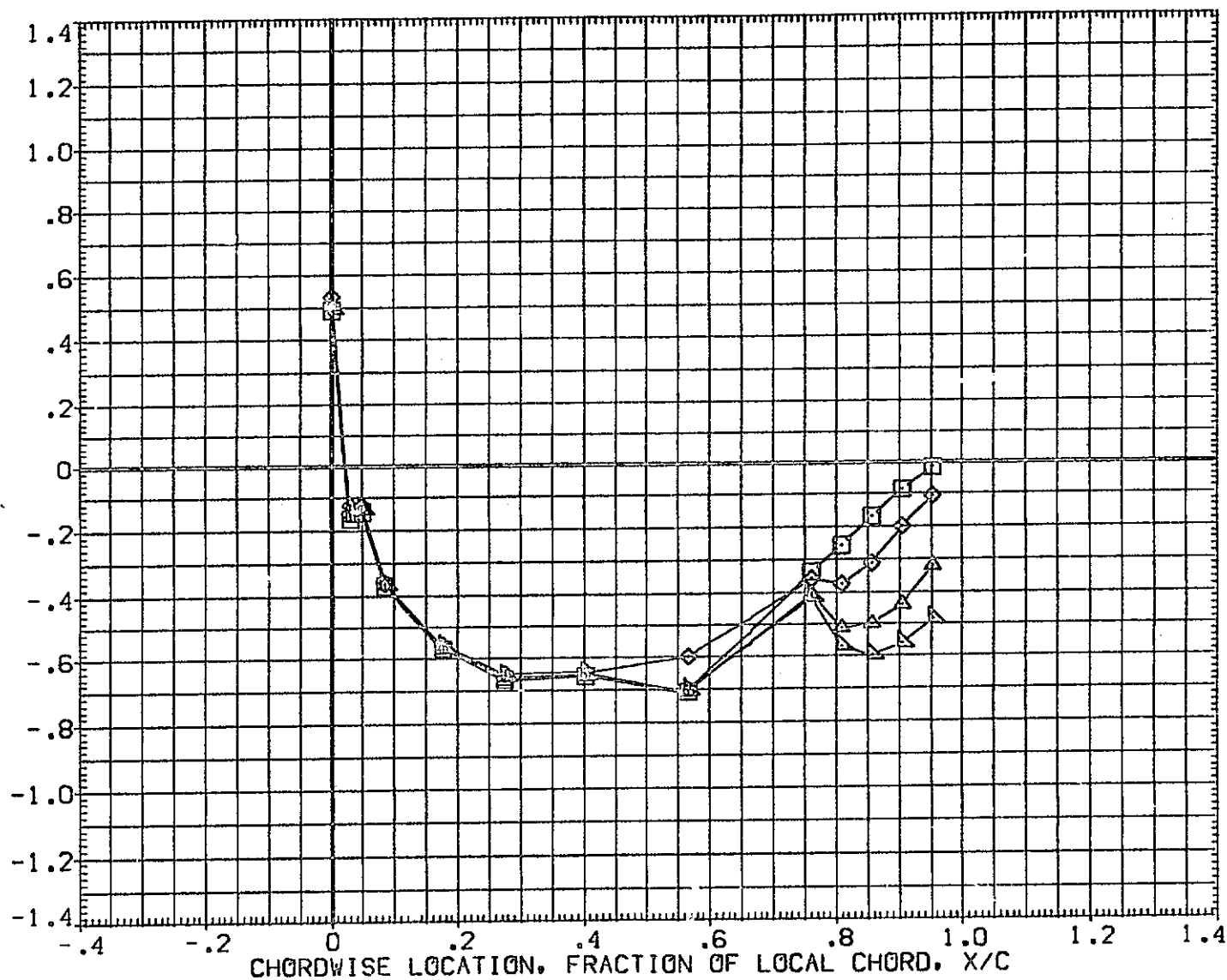


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta_{ETA} = 8$

MACH = 1.120 ALPHA = 8.000 $2Y/B = .436$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7U53] DATA NOT AVAILABLE

[AF7U43] 1A70 01 T12 S1 P2 P8

[AF7U48] 1A70 01 T12 S1 P2 P8

[AF7U53] 1A70 01 T12 S1 P2 P8

[AF7U58] 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

ELV-1

ELV-2

ELV-3

ELV-4

-4.000

.000

-4.000

-4.000

.000

.000

.000

.000

4.000

4.000

4.000

4.000

8.000

8.000

8.000

8.000

8.000

12.000

12.000

12.000

LOCAL PRESSURE COEFFICIENT, CP

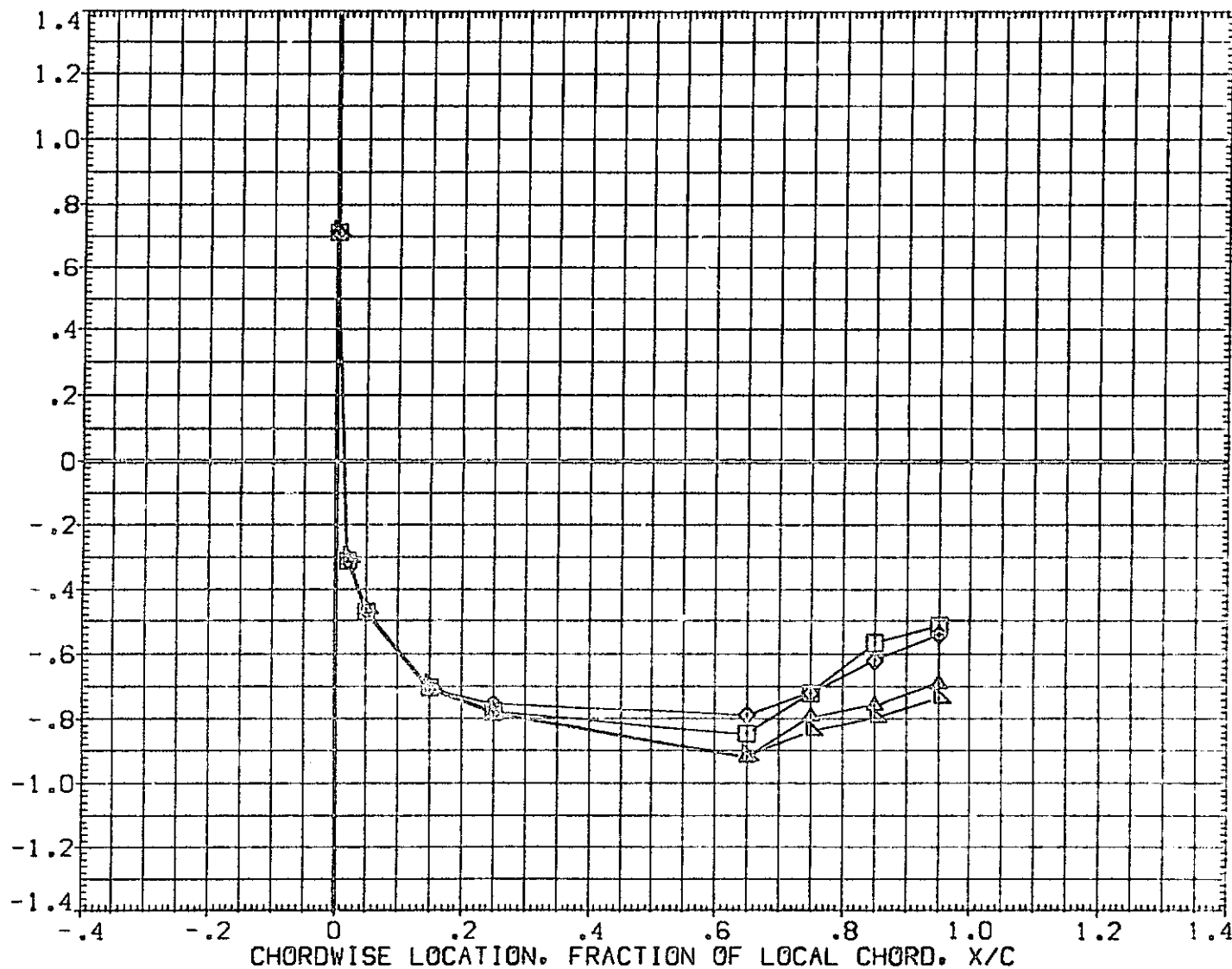


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U48)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U58)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

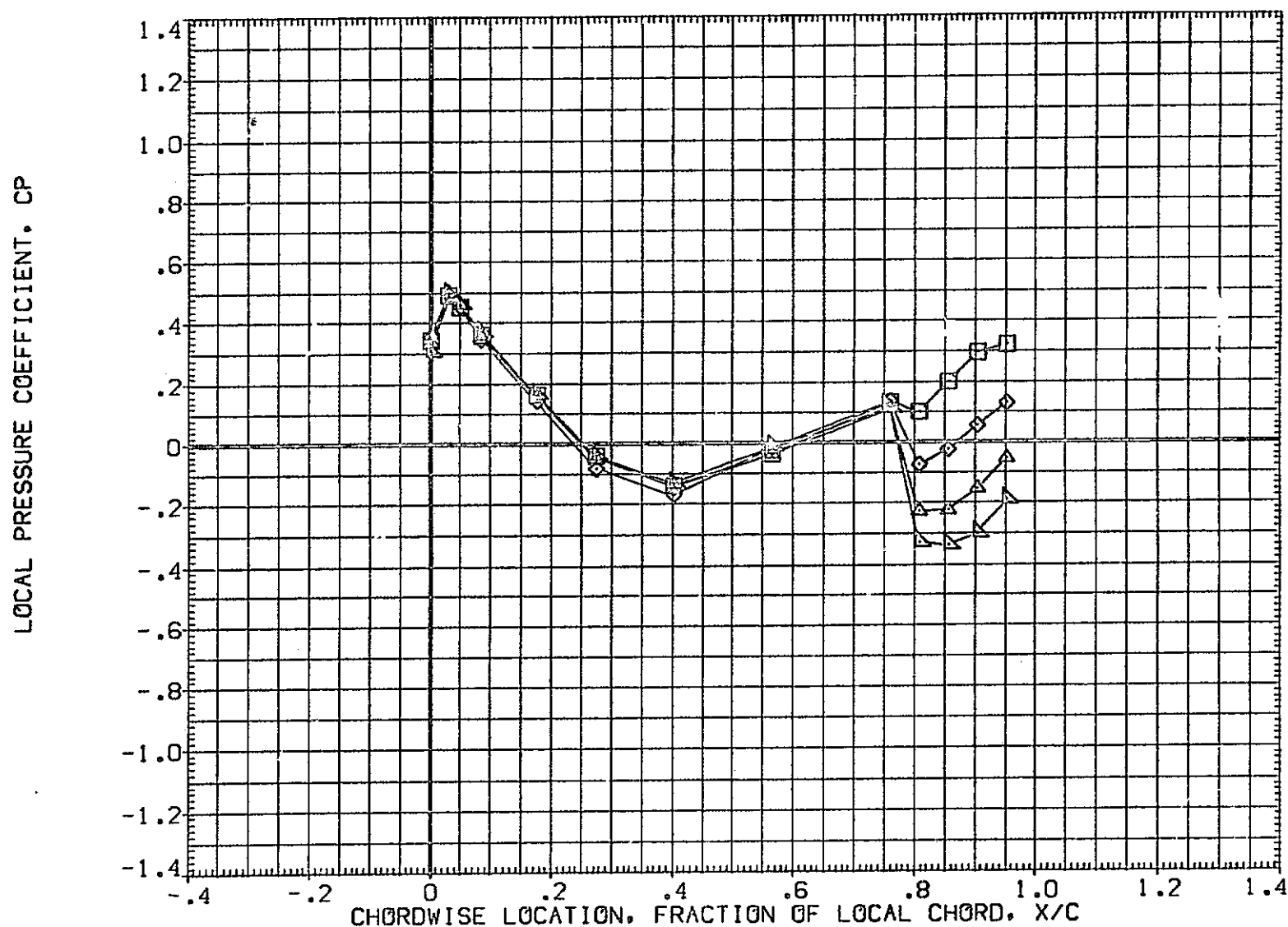


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	DATA NOT AVAILABLE	.000	.000	.000	.000
(AF7U48)	DATA NOT AVAILABLE	4.000	4.000	4.000	4.000
(AF7U53)	DATA NOT AVAILABLE	8.000	8.000	8.000	8.000
(AF7U58)	DATA NOT AVAILABLE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

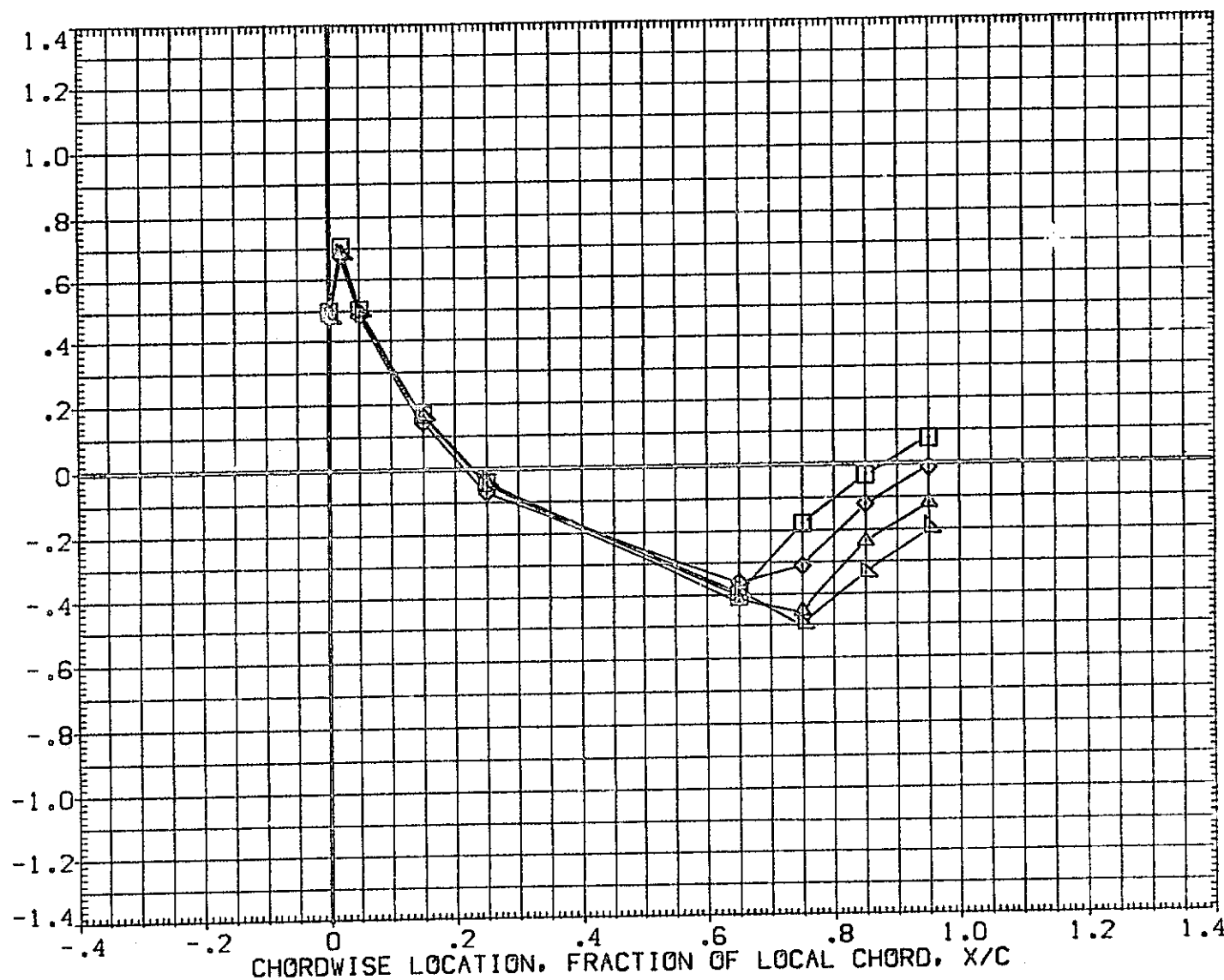


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

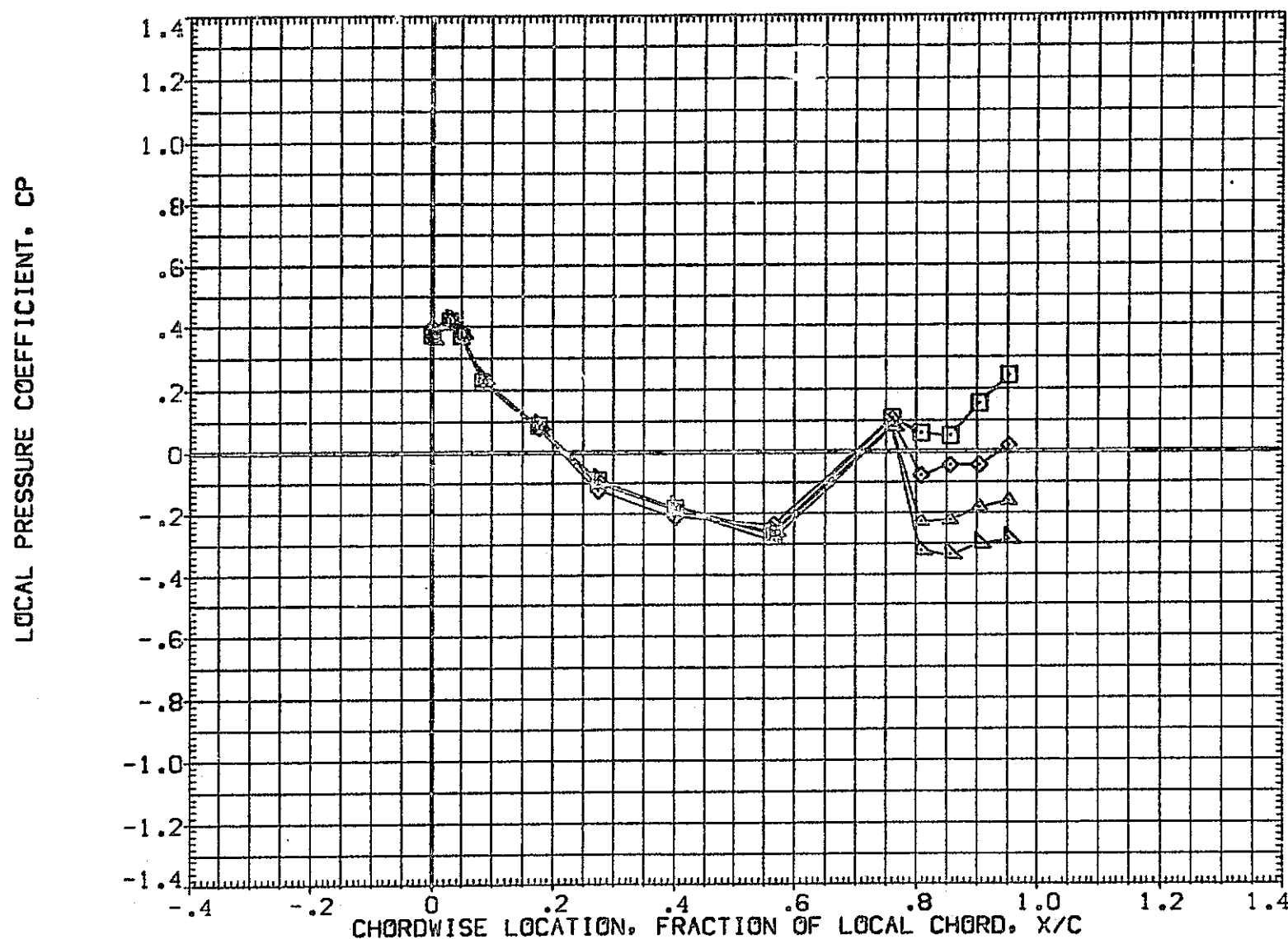


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U33)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	IA70 01 T12 S1 P2 P3	.000	.000	.000	.000
(AF7U46)	IA70 01 T12 S1 P2 P3	4.000	4.000	4.000	4.000
(AF7U53)	IA70 01 T12 S1 P2 P3	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P3	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

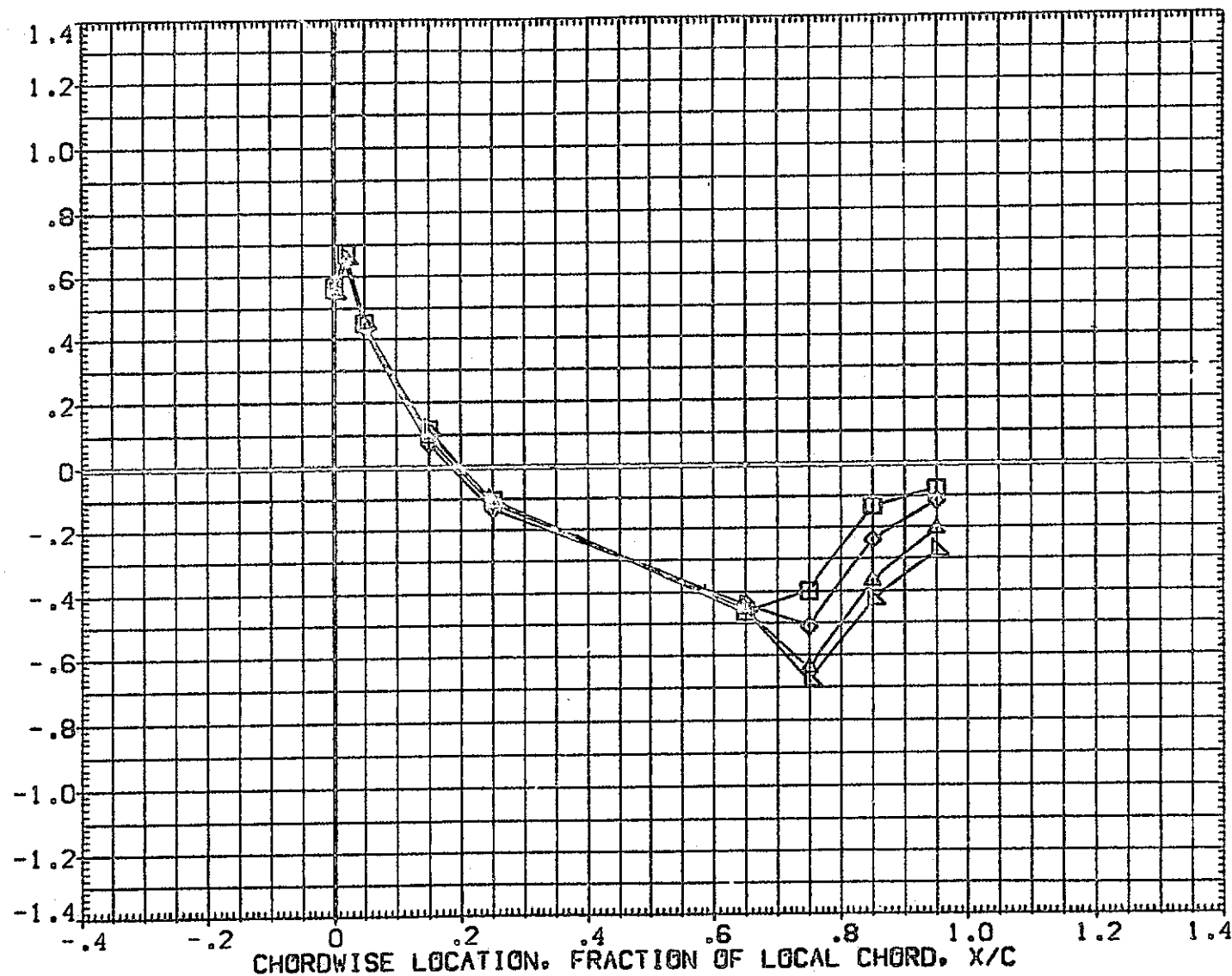


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7U63)	DATA NOT AVAILABLE
(AF7U43)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U48)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U53)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
(AF7U58)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

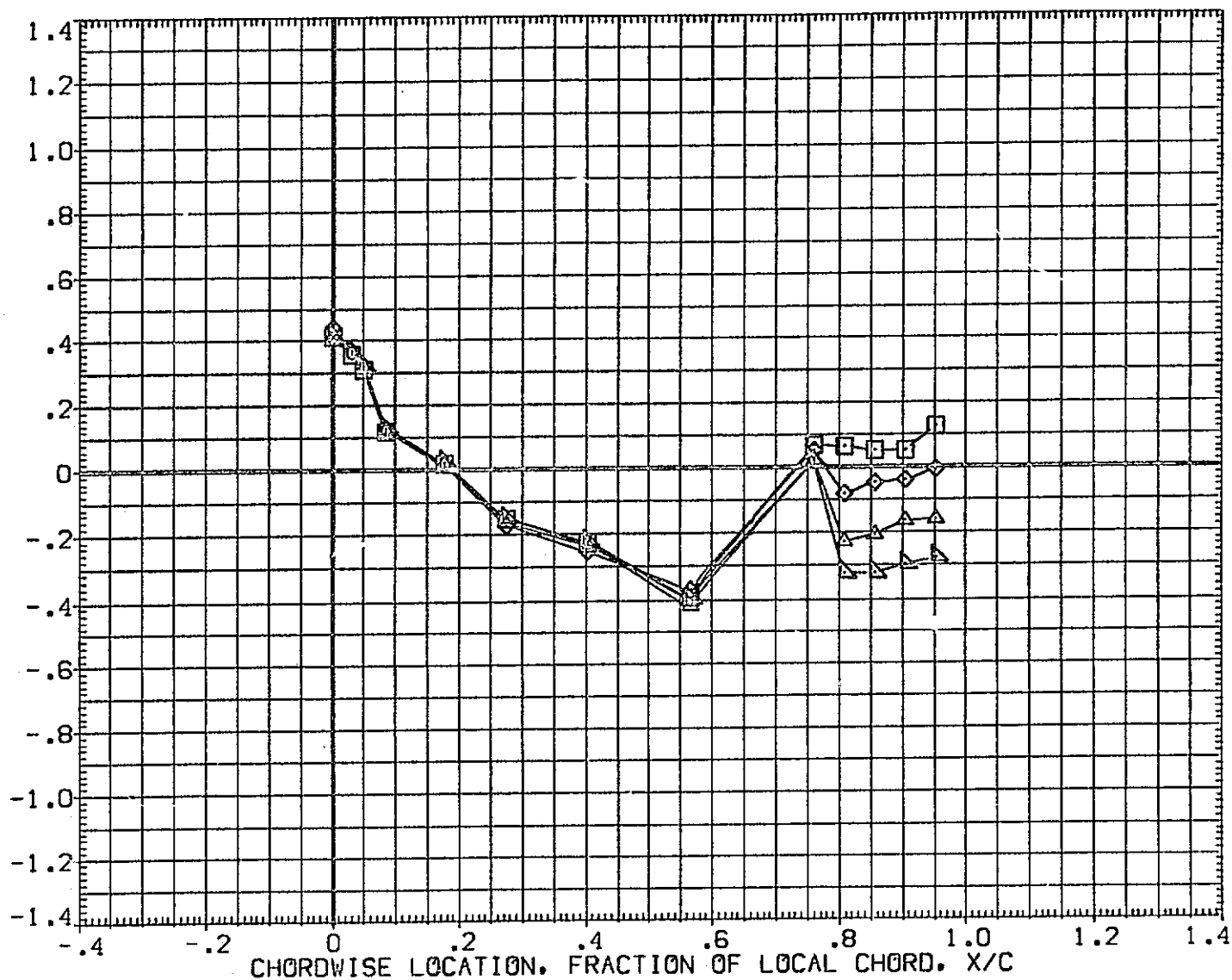


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -4.000 2Y/B = .436

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7U53] DATA NOT AVAILABLE

[AF7U43] 1A70 01 T12 S1 P2 P8

[AF7U48] 1A70 01 T12 S1 P2 P8

[AF7U53] 1A70 01 T12 S1 P2 P8

[AF7U58] 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

WING UPPER SURFACE

ELV-1

ELV-2

ELV-3

ELV-4

-4.000

.000

-4.000

-4.000

.000

.000

.000

.000

4.000

4.000

4.000

4.000

8.000

8.000

8.000

8.000

8.000

12.000

12.000

12.000

LOCAL PRESSURE COEFFICIENT, CP

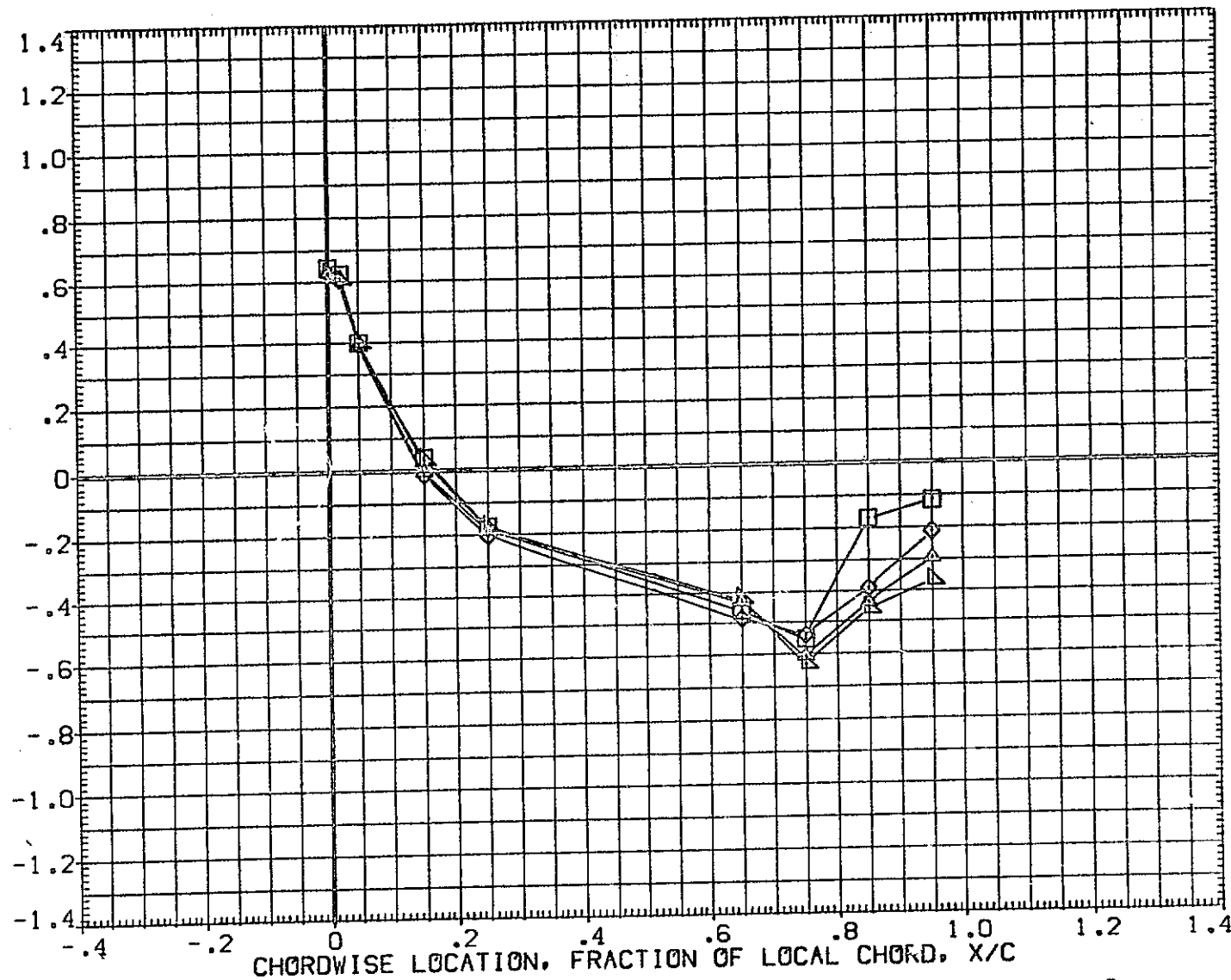


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

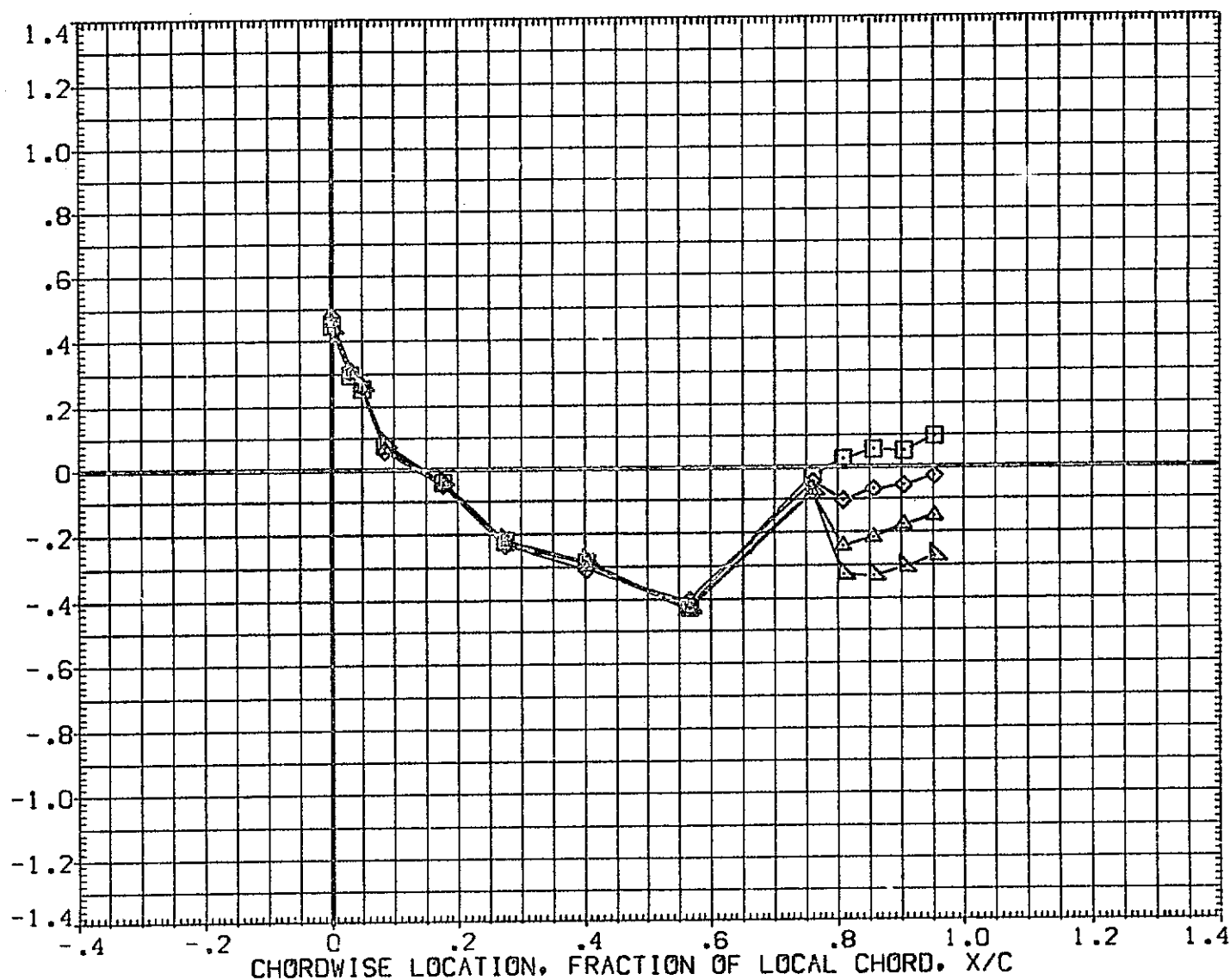


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U53]	DATA NOT AVAILABLE
[AF7U43]	1A70 01 T12 S1 P2 P8
[AF7U48]	1A70 01 T12 S1 P2 P8
[AF7U53]	1A70 01 T12 S1 P2 P8
[AF7U58]	1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

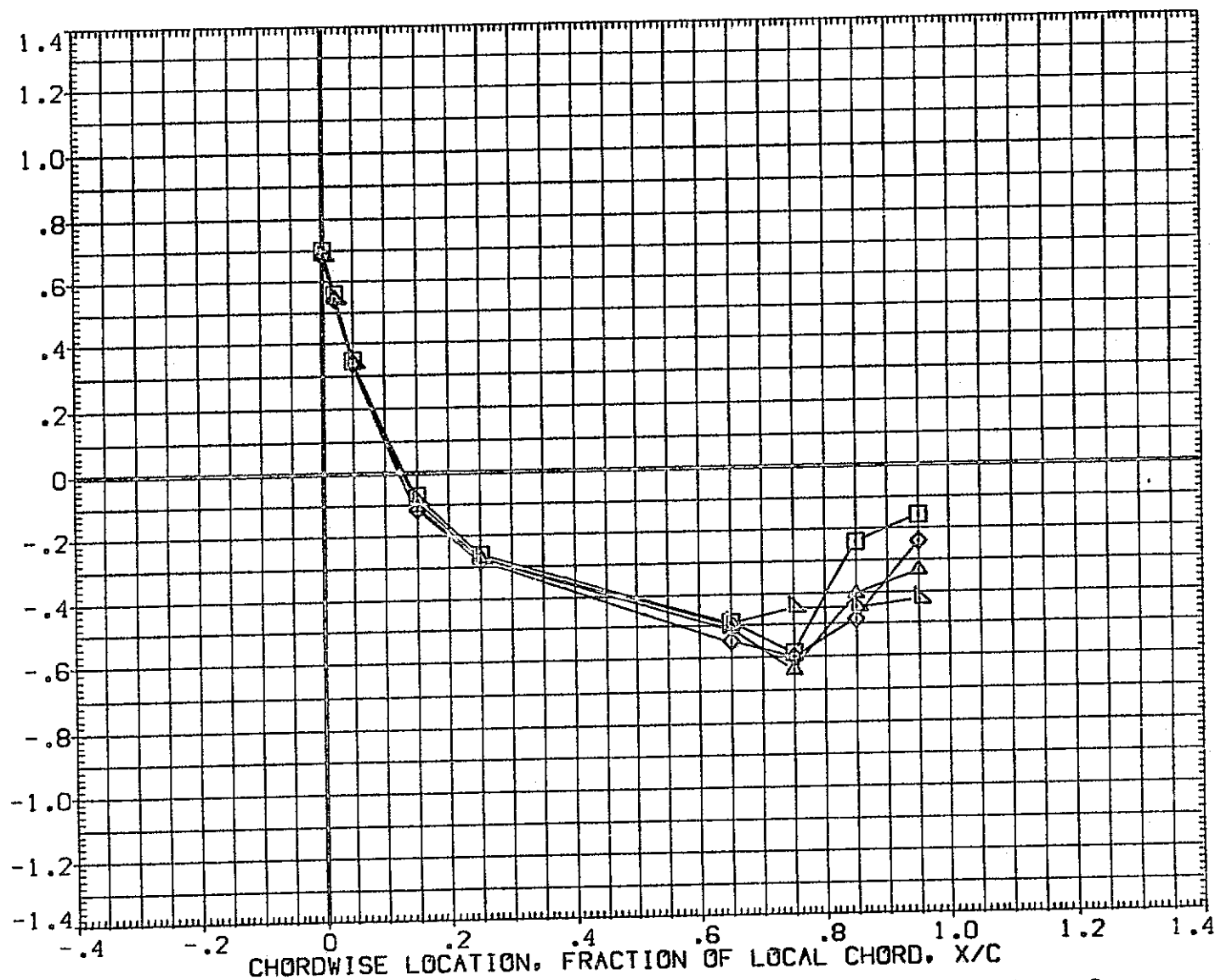


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

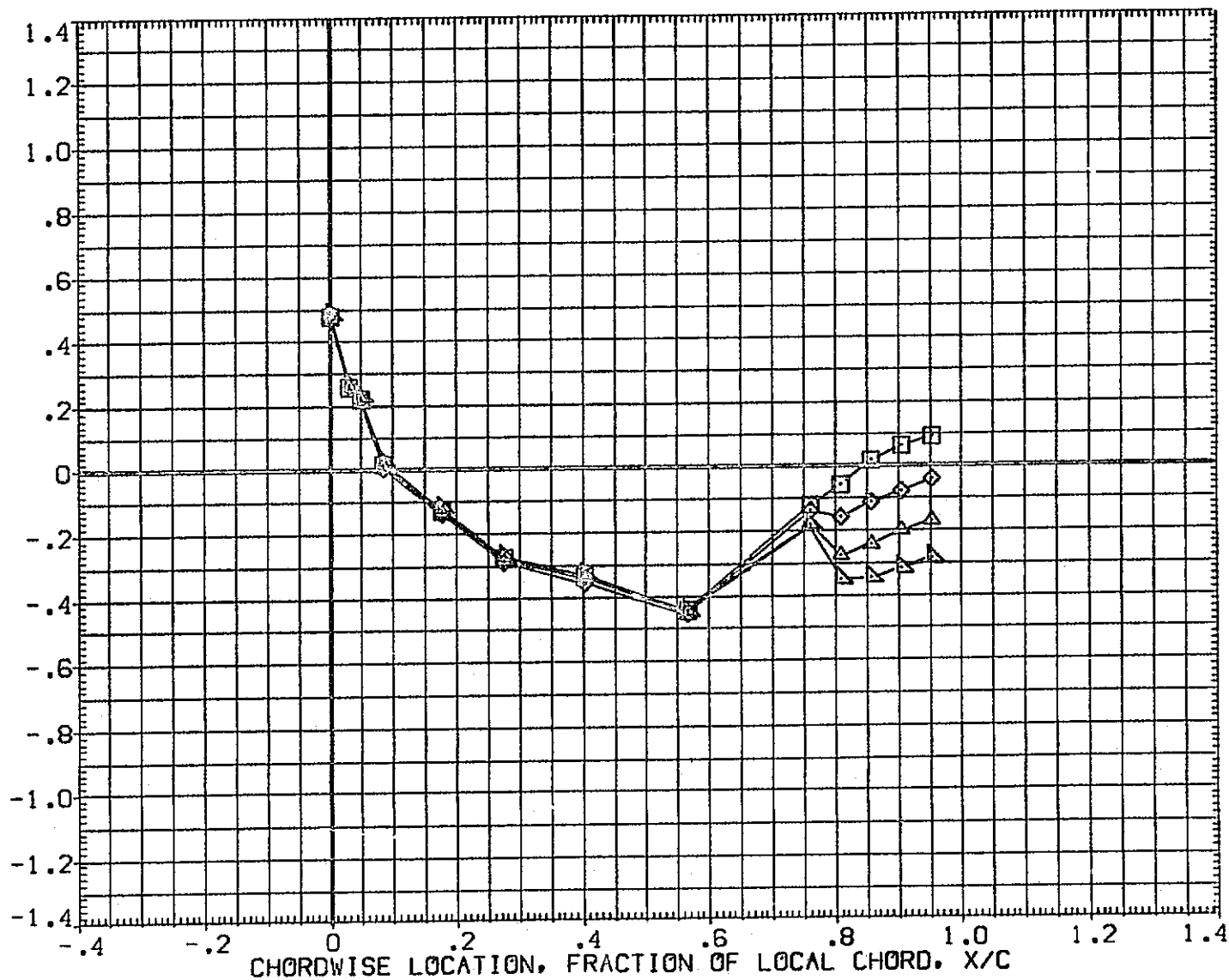


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7U53) DATA NOT AVAILABLE
 (AF7U43) 1A70 01 T12 S1 P2 P8
 (AF7U48) 1A70 01 T12 S1 P2 P8
 (AF7U53) 1A70 01 T12 S1 P2 P8
 (AF7U59) 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

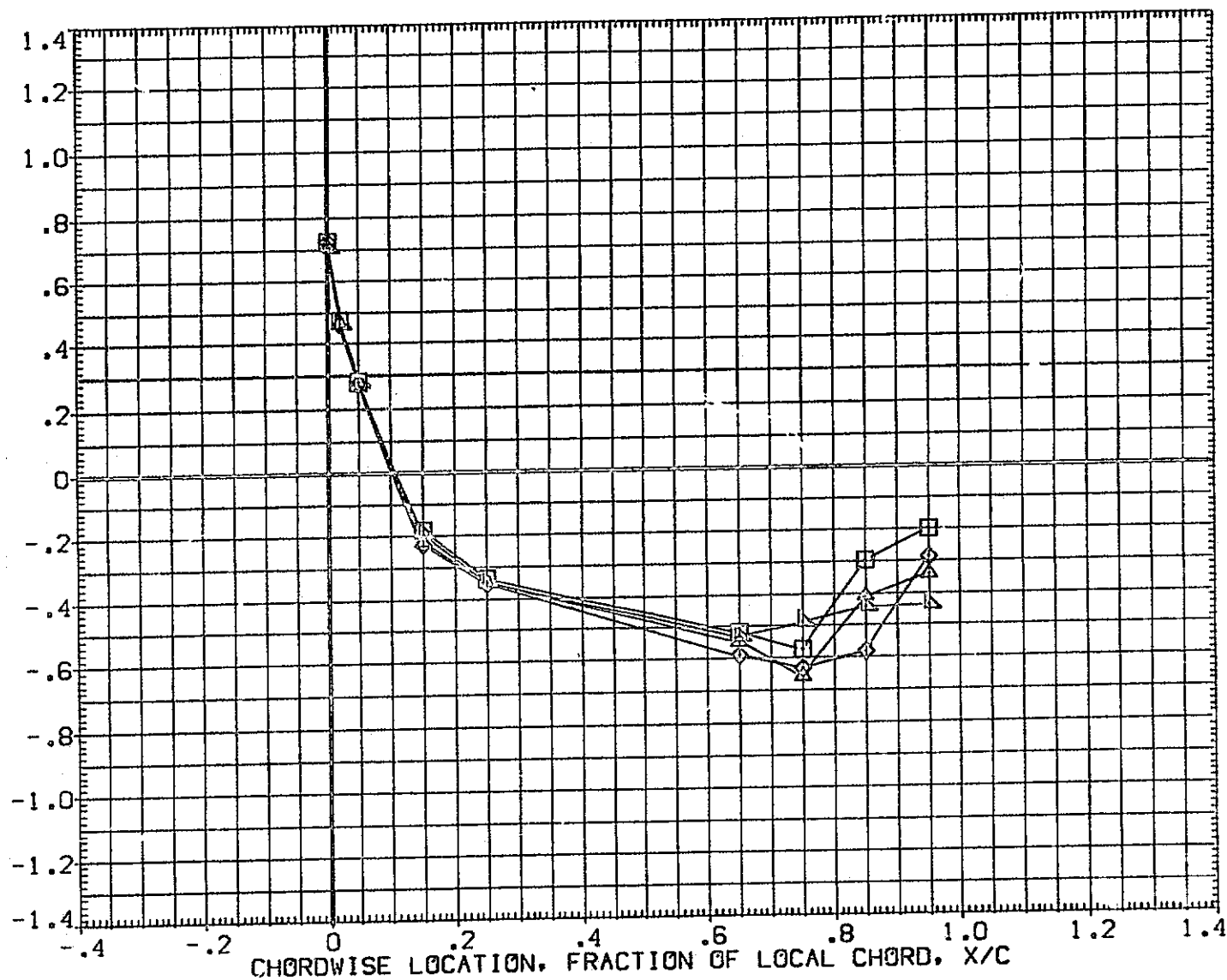
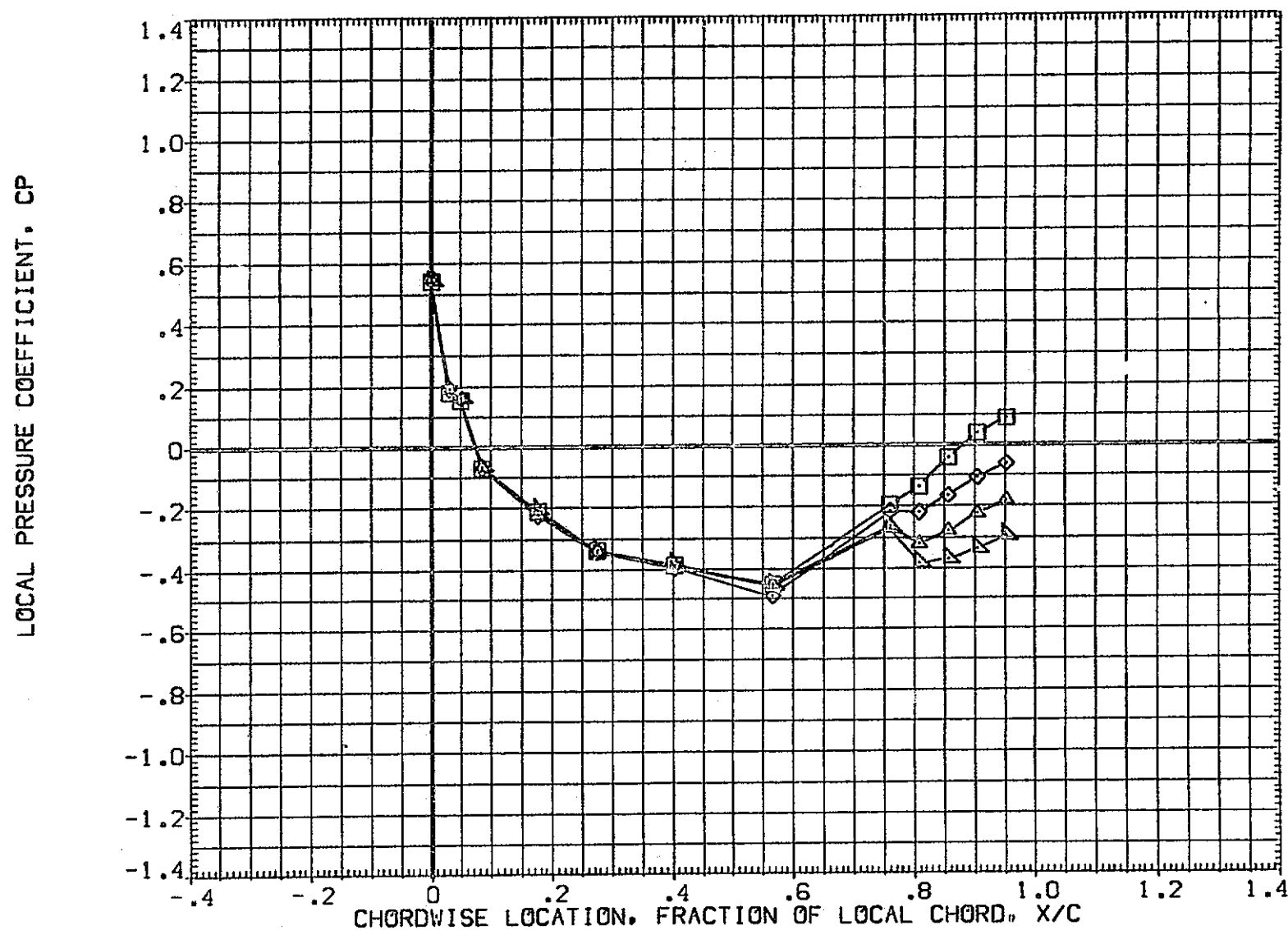


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7U48]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7U53]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7U58]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				
	WING UPPER SURFACE				



MACH = 1.240 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7LS3]	DATA NOT AVAILABLE
[AF7U43]	1A70 01 T12 S1 P2 P8
[AF7U48]	1A70 01 T12 S1 P2 P8
[AF7U53]	1A70 01 T12 S1 P2 P8
[AF7U58]	1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
WING UPPER SURFACE	.000	.000	.000	.000
WING UPPER SURFACE	4.000	4.000	4.000	4.000
WING UPPER SURFACE	8.000	8.000	8.000	8.000
WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

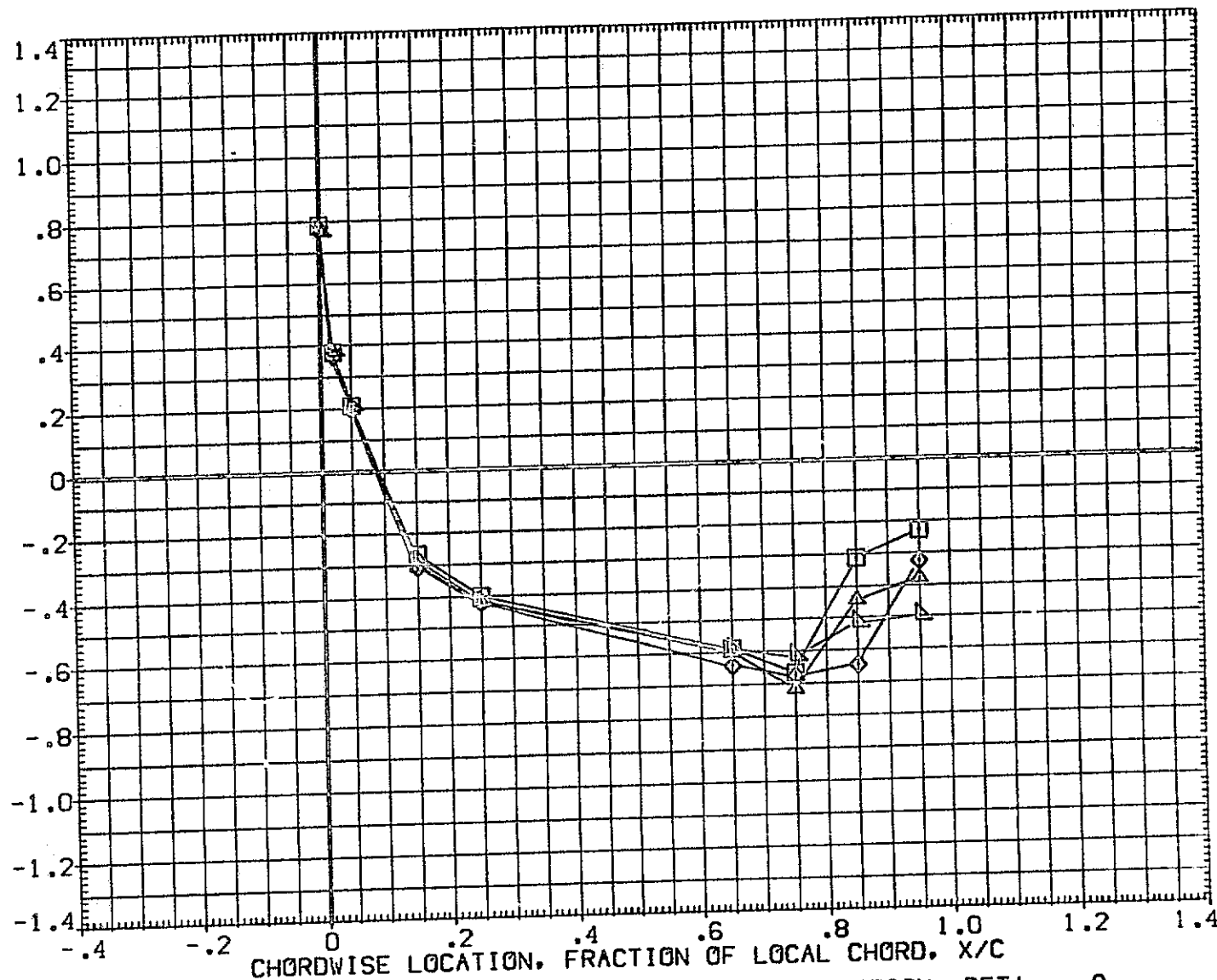


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 2.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7U43)	IA7C 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48)	IA7D 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U53)	IA7D 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58)	IA7D 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

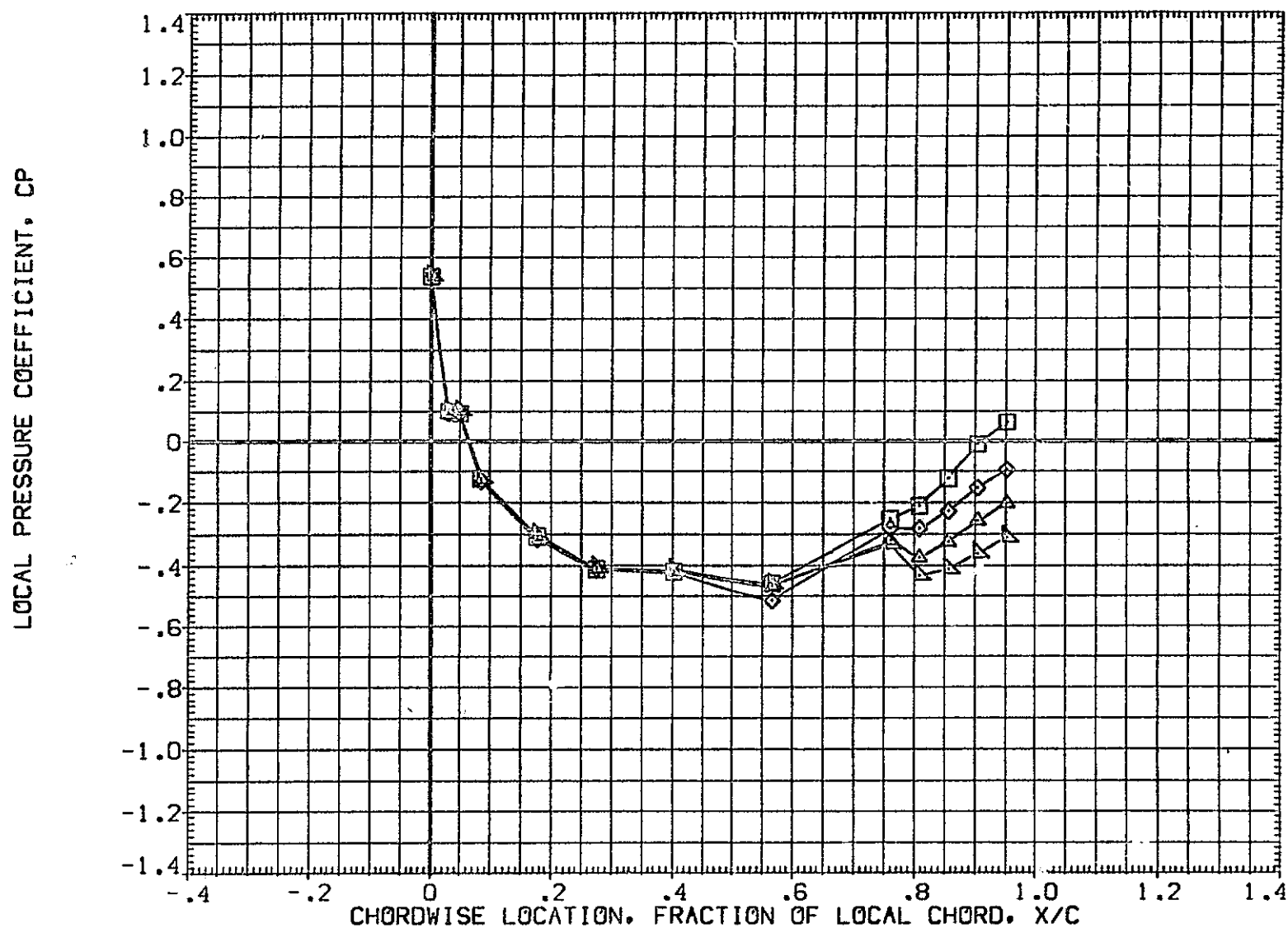


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = 4.000 2Y/B = .436 PAGE 245

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

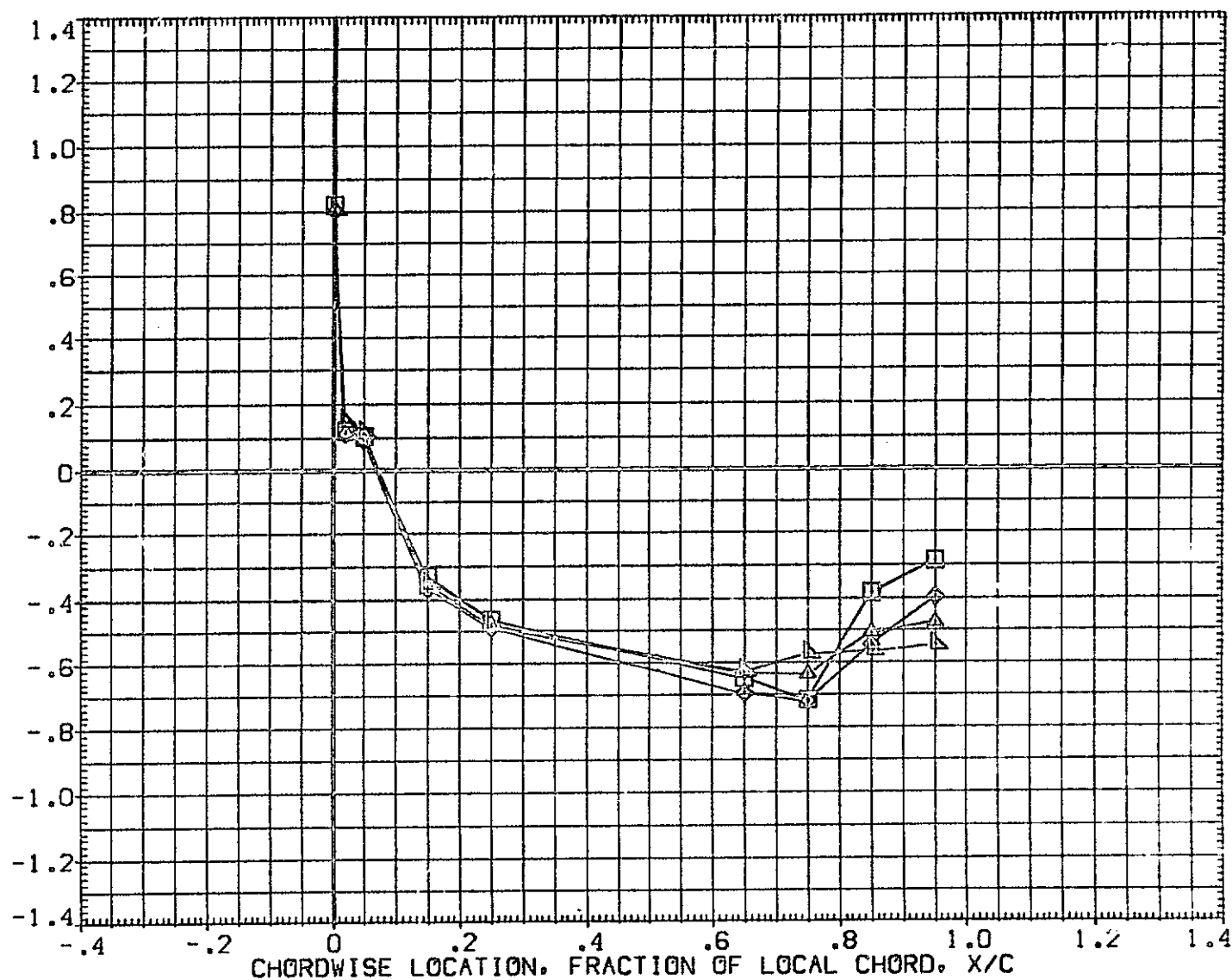


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 4.000 2Y/B = .771

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7U63) DATA NOT AVAILABLE
 (AF7U43) 1A70 01 T12 S1 P2 P8
 (AF7U48) 1A70 01 T12 S1 P2 P8
 (AF7U53) 1A70 01 T12 S1 P2 P8
 (AF7U58) 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

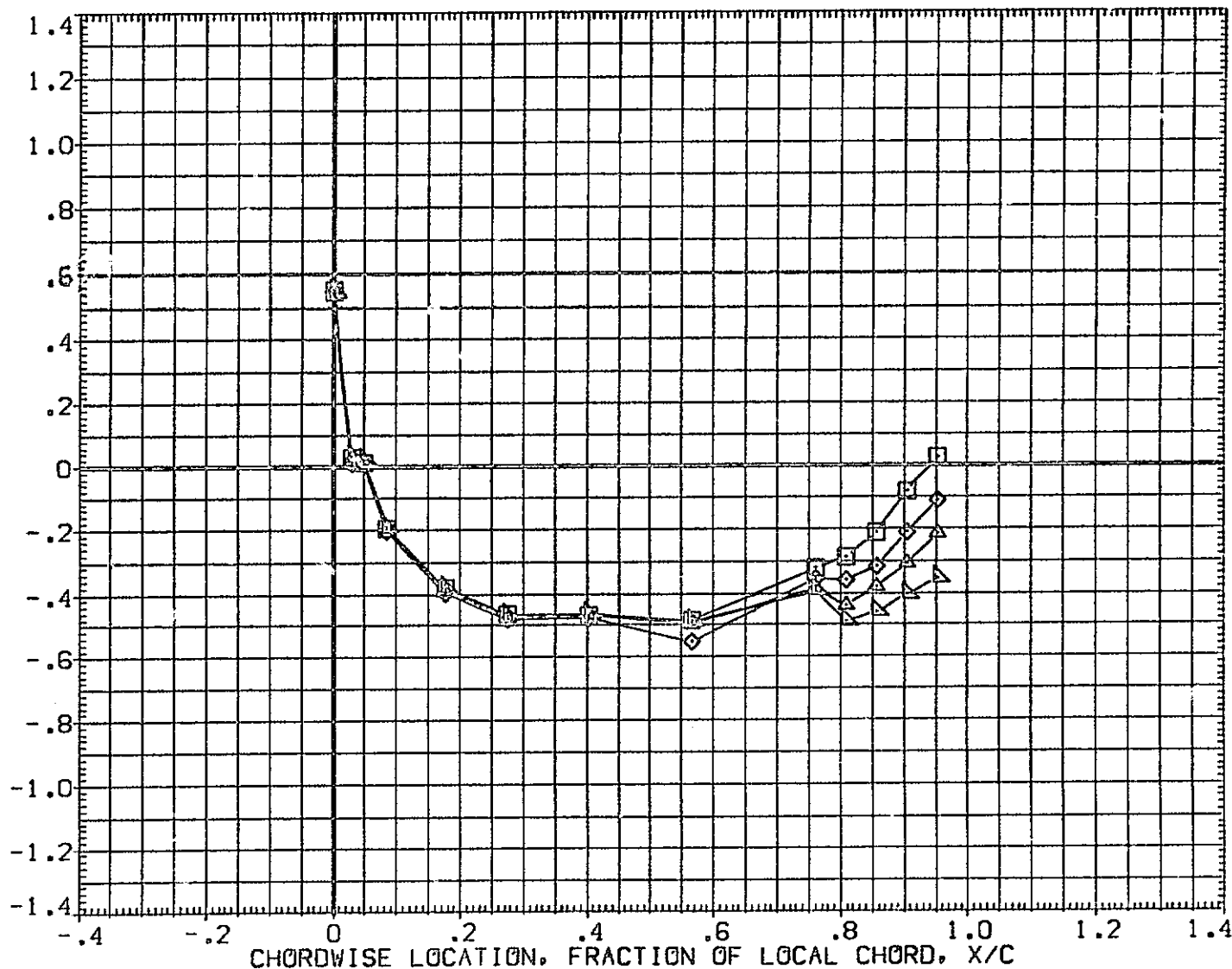


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 6.000 2Y/B = .436

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	□	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7U43]	○	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	×	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	△	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	◇	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

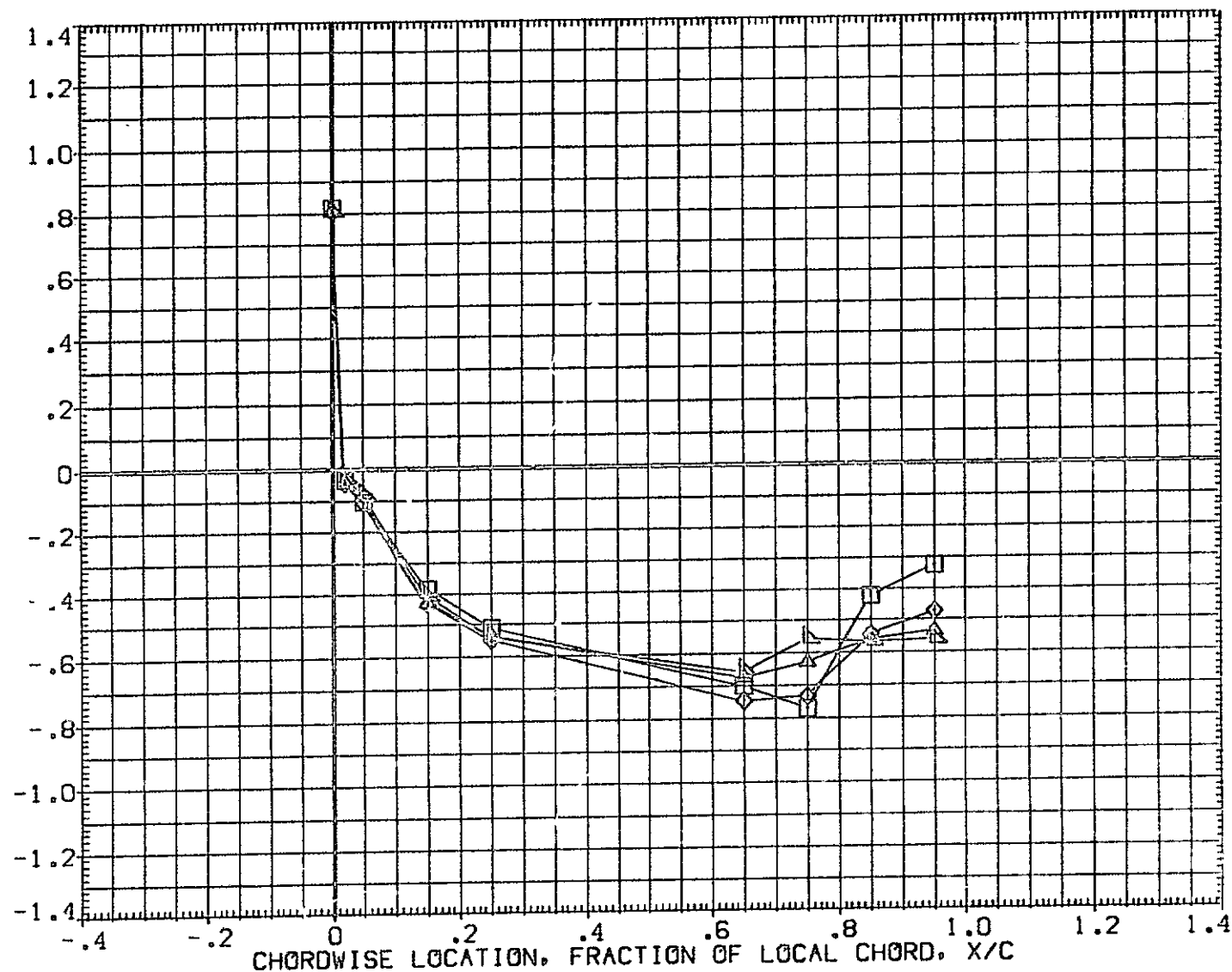


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 6.000 2Y/B = .771

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7U63] DATA NOT AVAILABLE
 [AF7U43] 1A70 01 T12 S1 P2 P8
 [AF7U4B] 1A70 01 T12 S1 P2 P8
 [AF7U53] 1A70 01 T12 S1 P2 P8
 [AF7U58] 1A70 01 T12 S1 P2 P8

WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE
 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

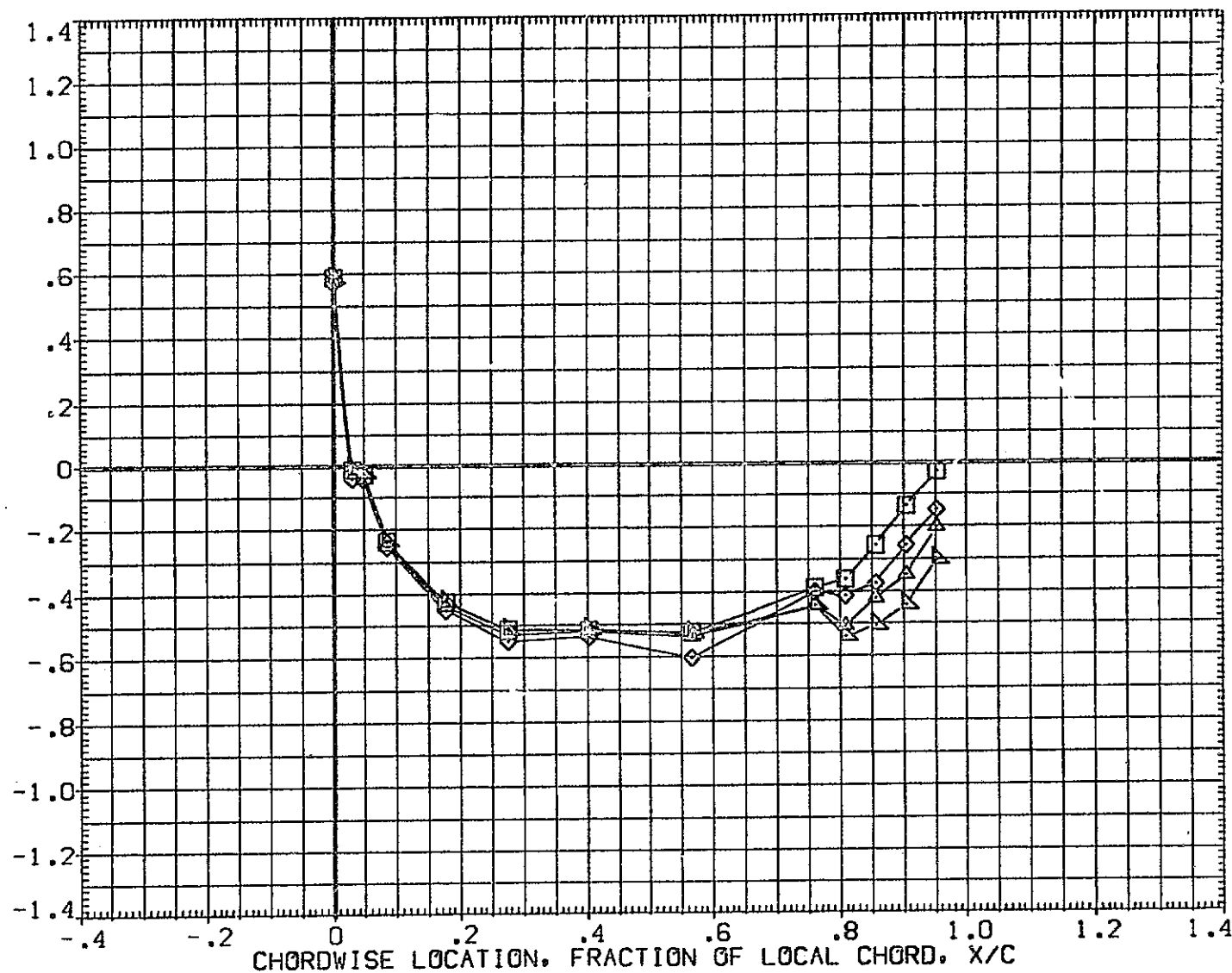


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 8.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U63]	DATA NOT AVAILABLE
[AF7U43]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U48]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U53]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U58]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

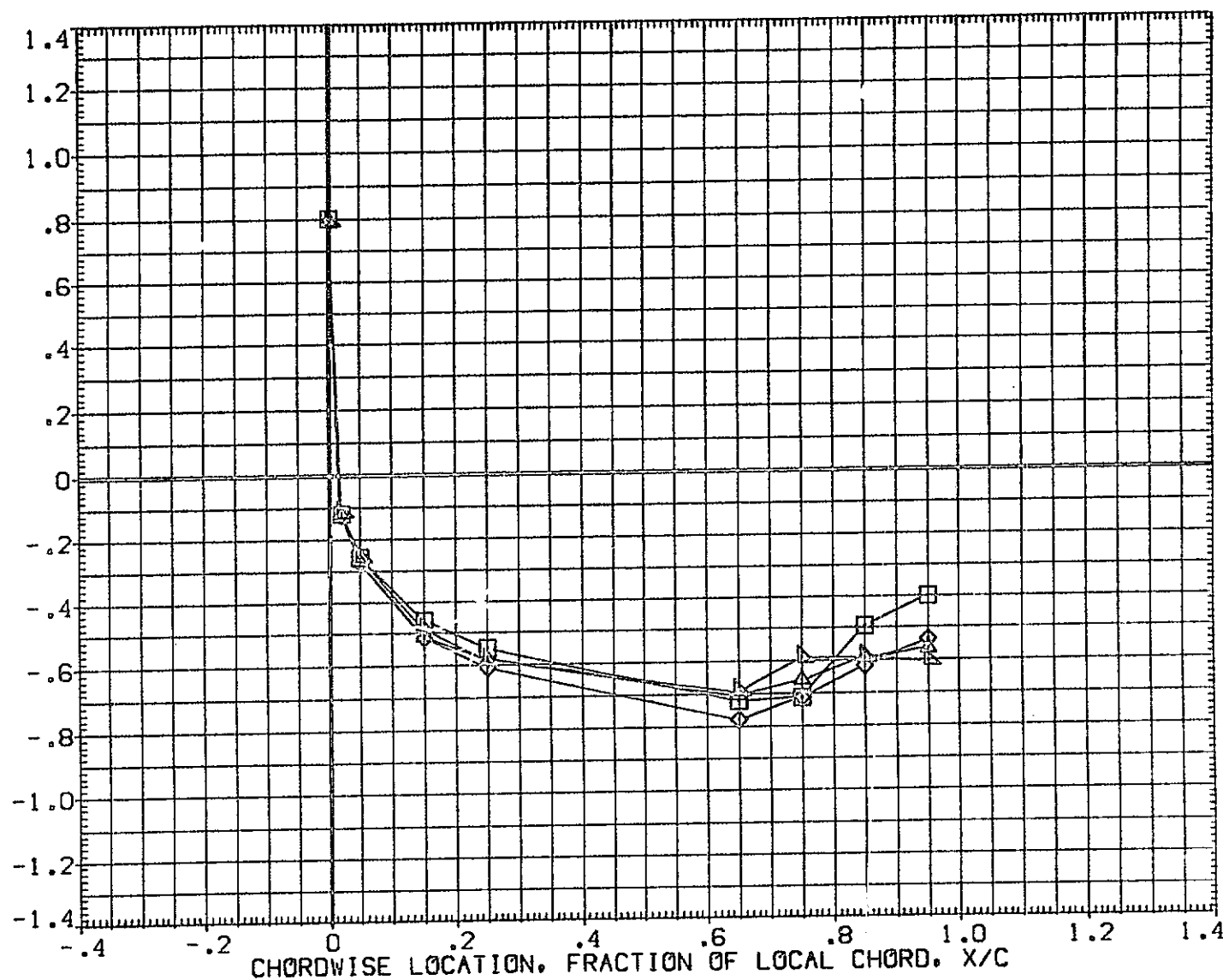


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7U63}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
{AF7U43}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
{AF7U48}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
{AF7U53}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
{AF7U58}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

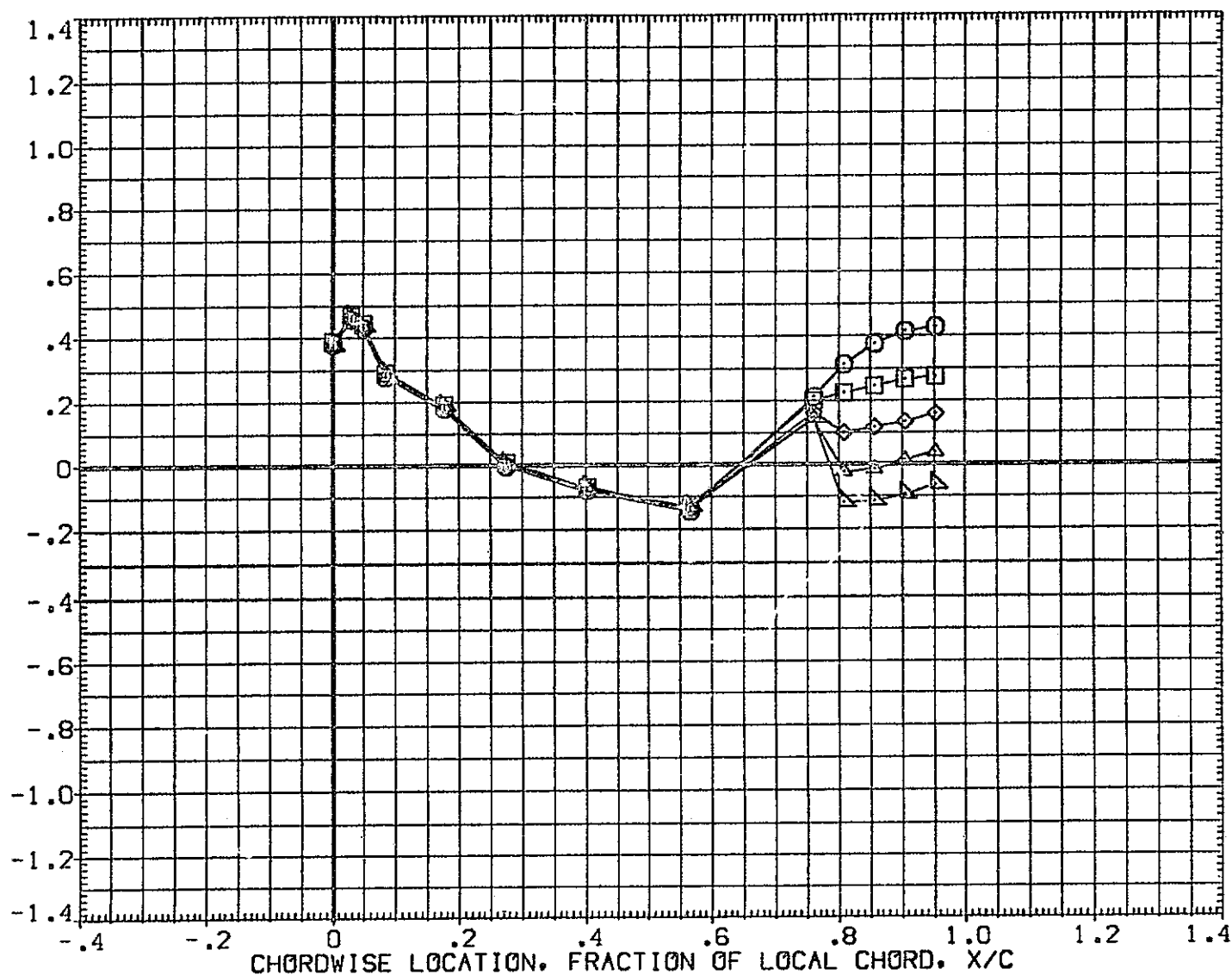


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

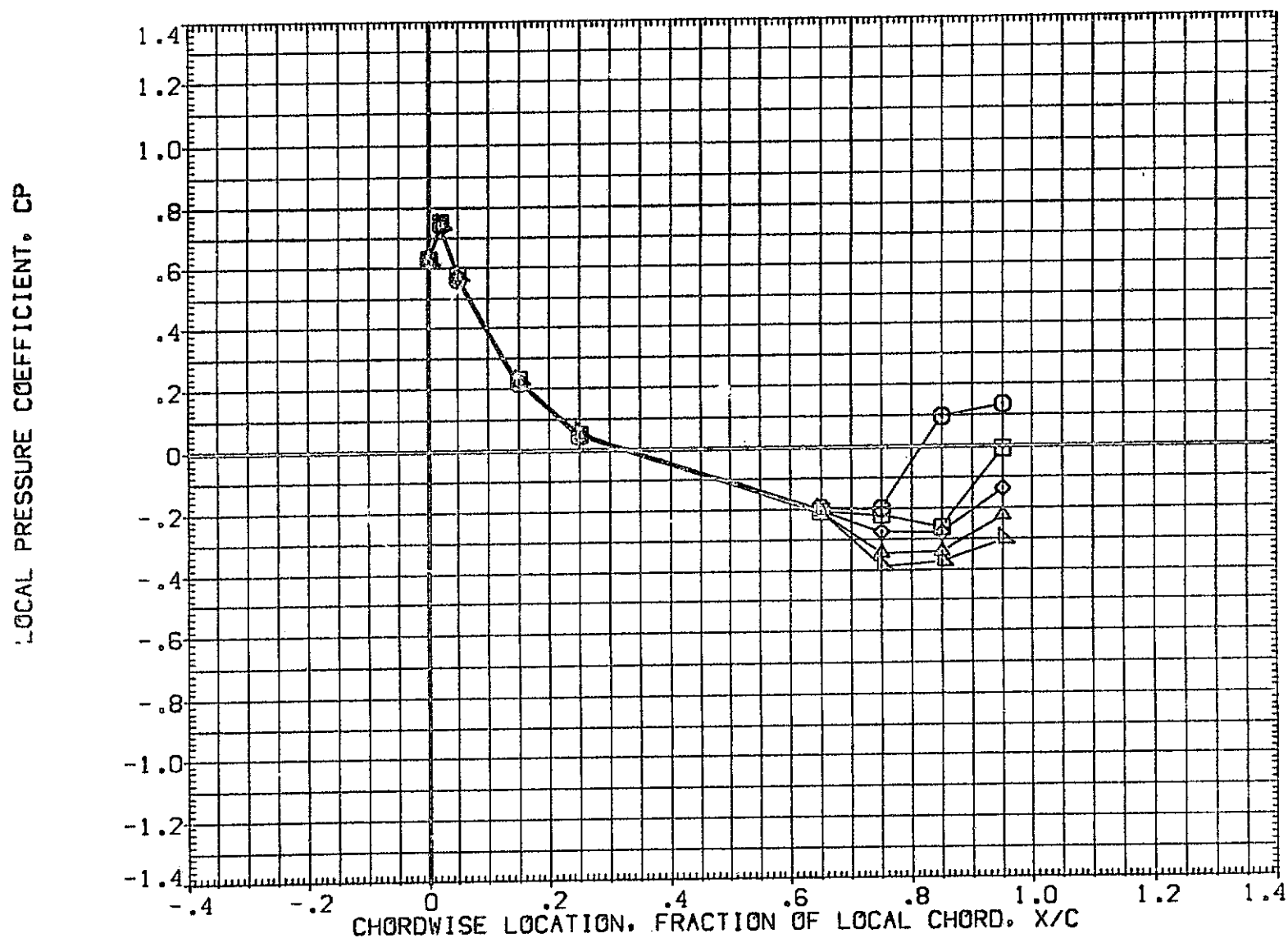


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -8.000 2Y/B = .771 PAGE 252

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

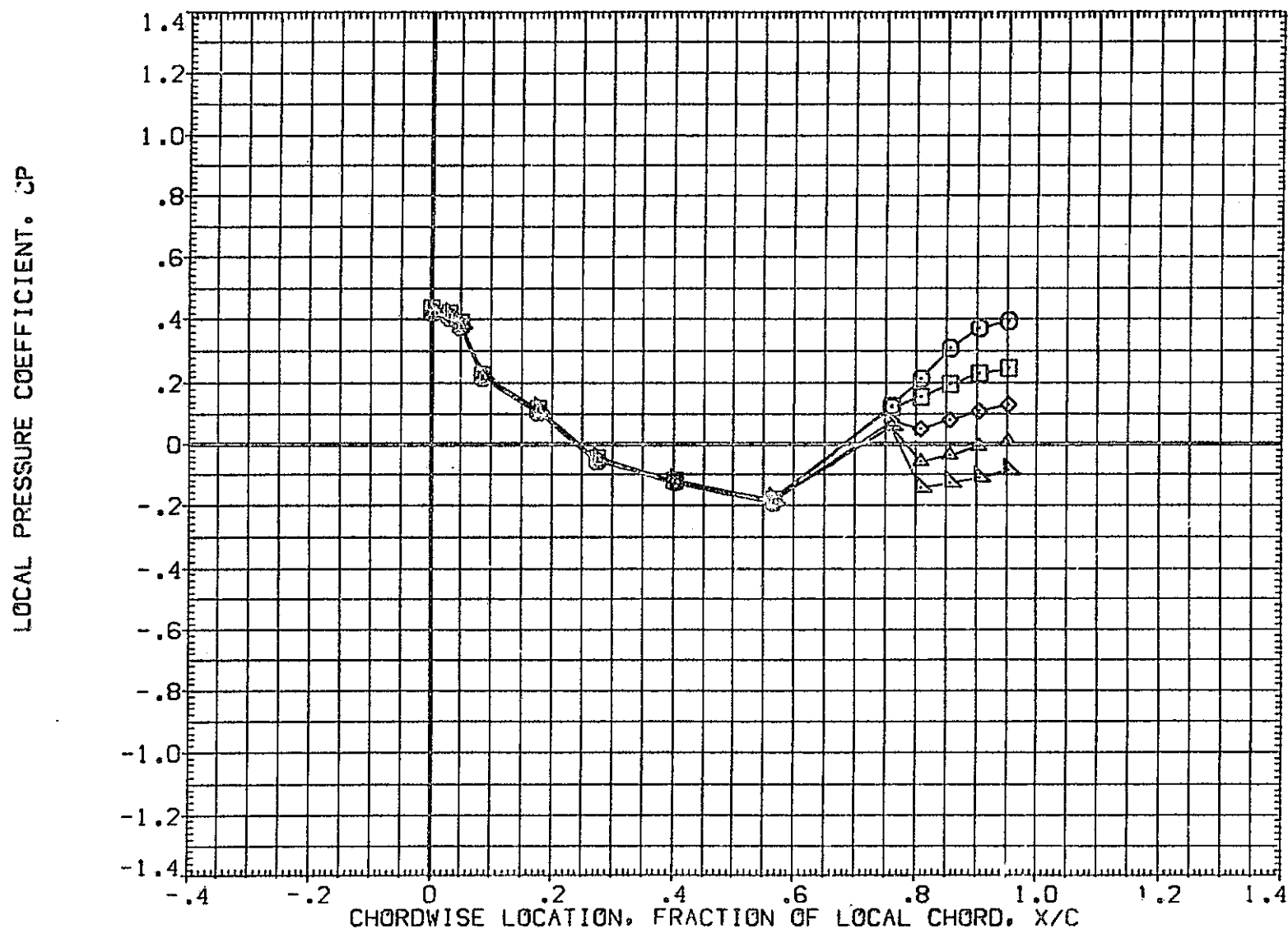


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\delta\epsilon = 8$

MACH = 1.500 ALPHA = -6.000 $2Y/B = .436$

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	WING UPPER SURFACE	ELV-1	ELV-2	ELV-3	ELV-4
{AF7U63}	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
{AF7U43}	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000	.000
{AF7U48}	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000	4.000
{AF7U53}	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000	8.000
{AF7U58}	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

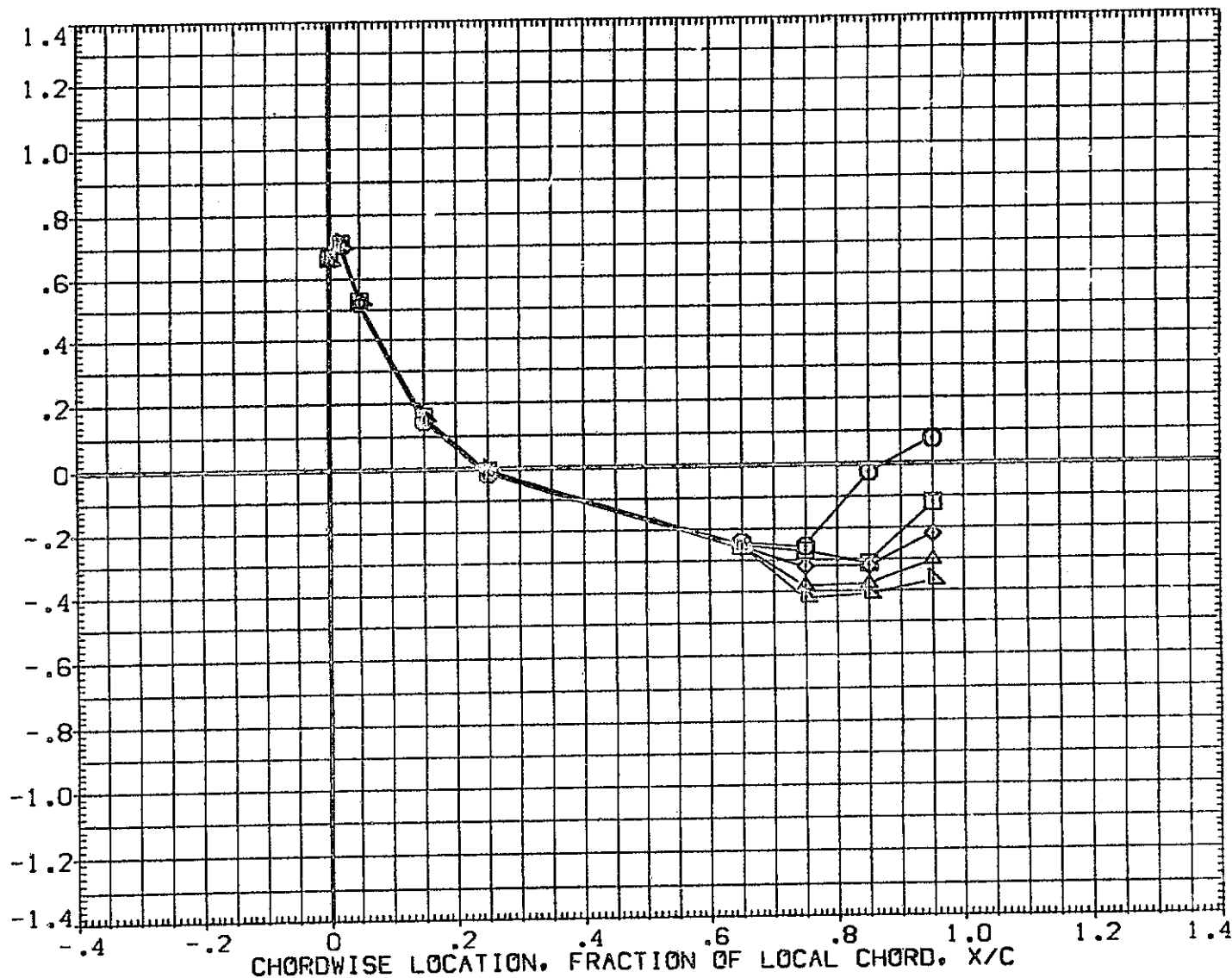


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

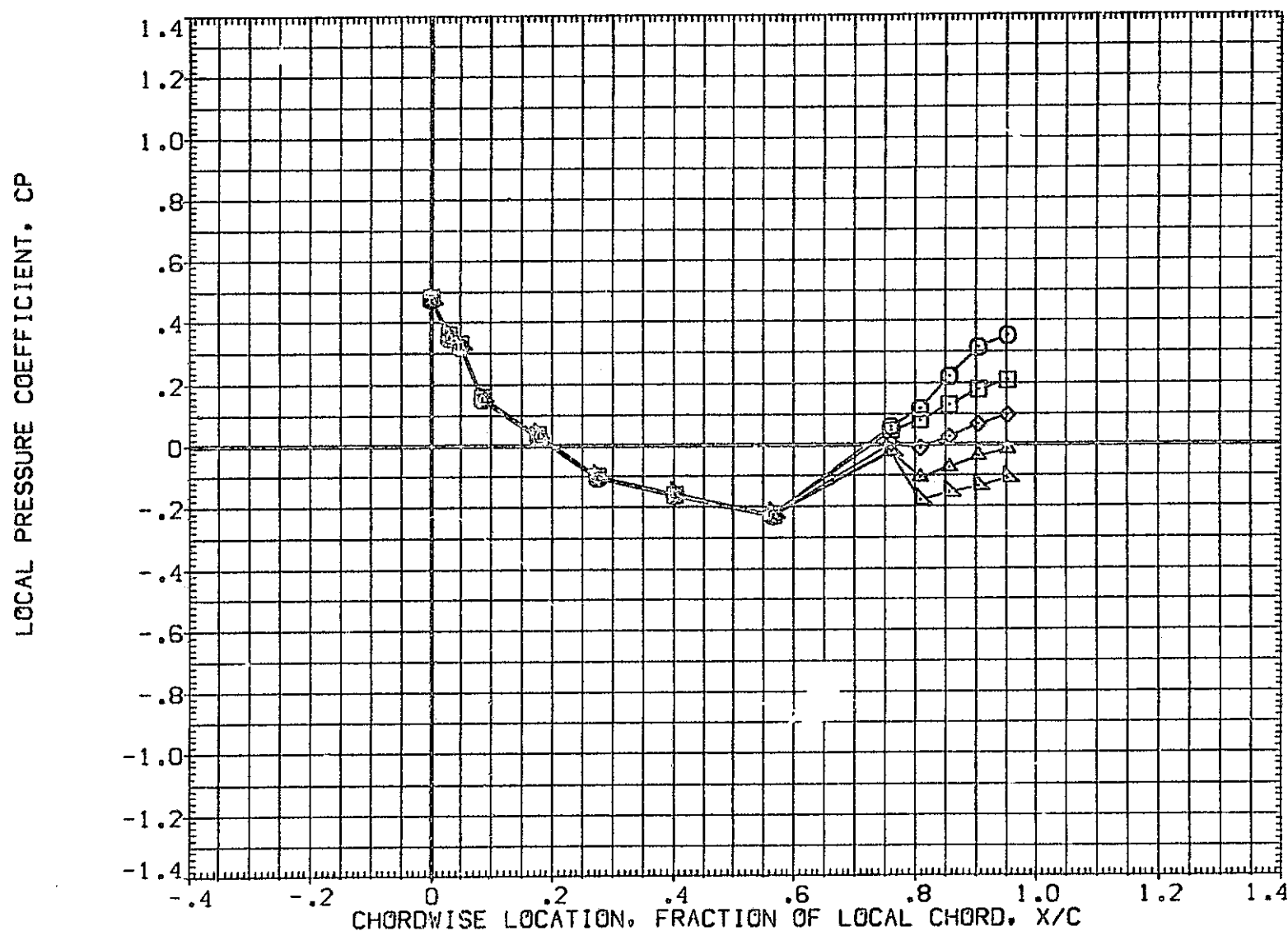


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -4.000 2Y/B = .436 PAGE 255

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U53)	1A70 01 T12 S1 P2 P8	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

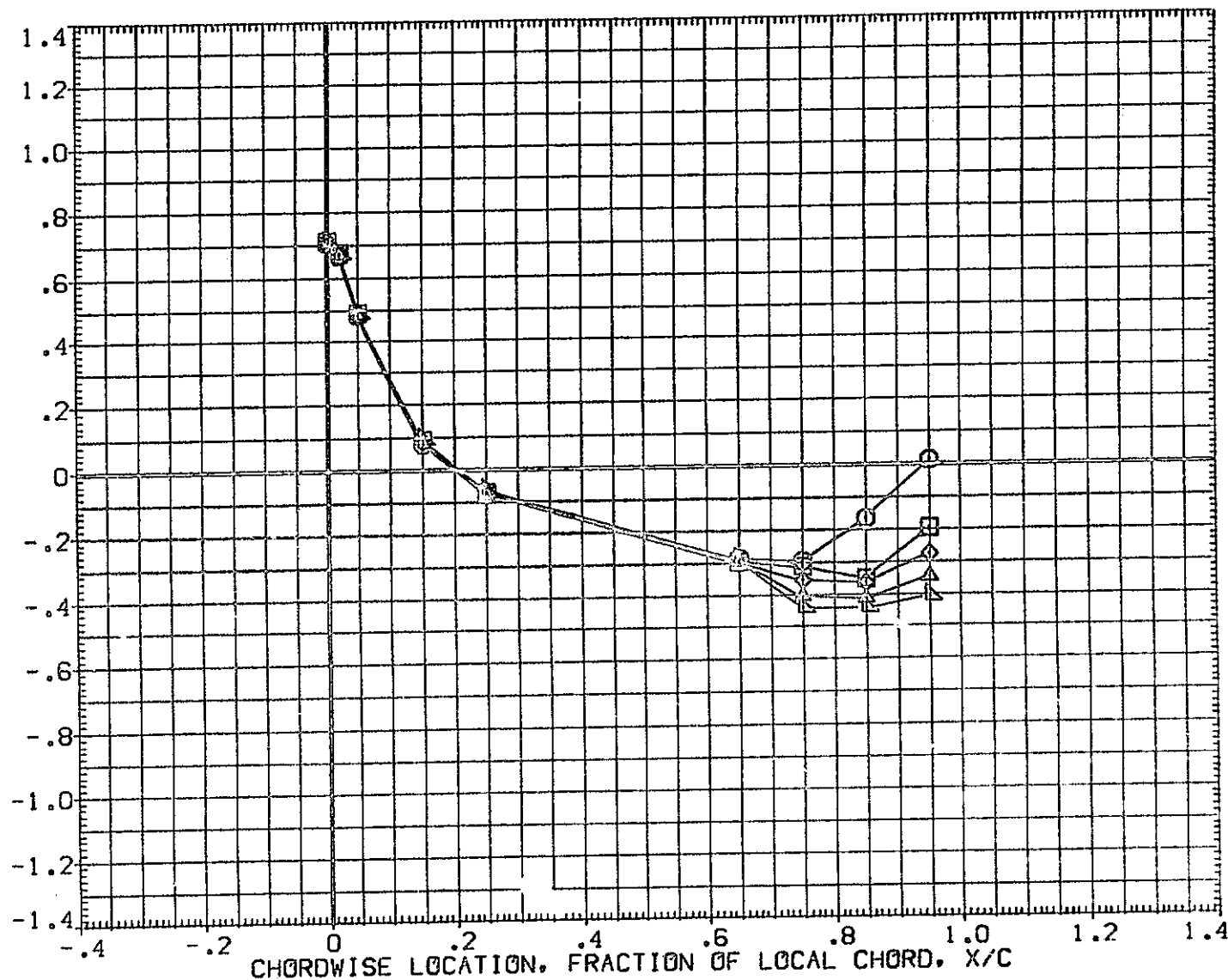


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	WING UPPER SURFACE	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000	12.000

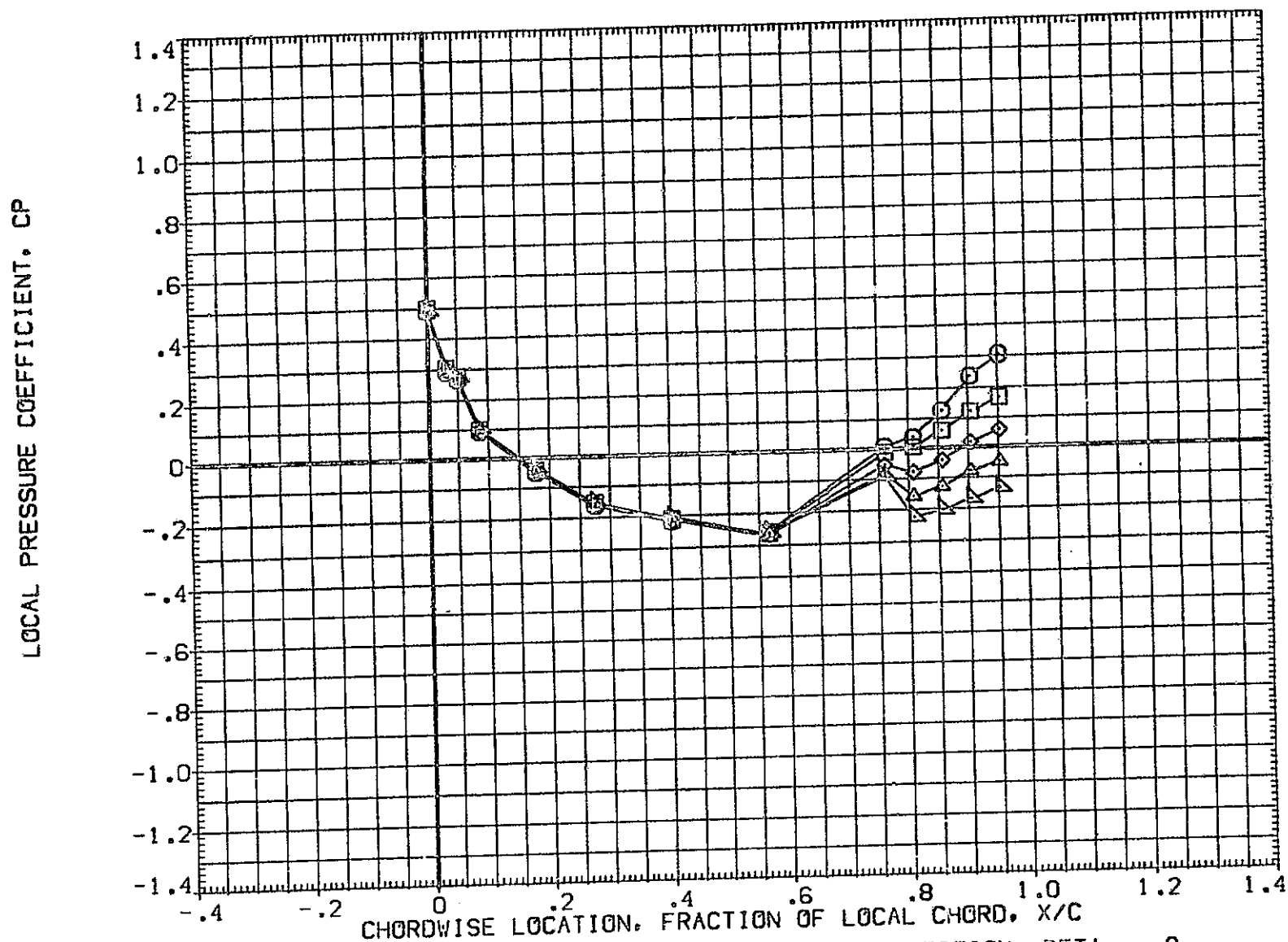


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

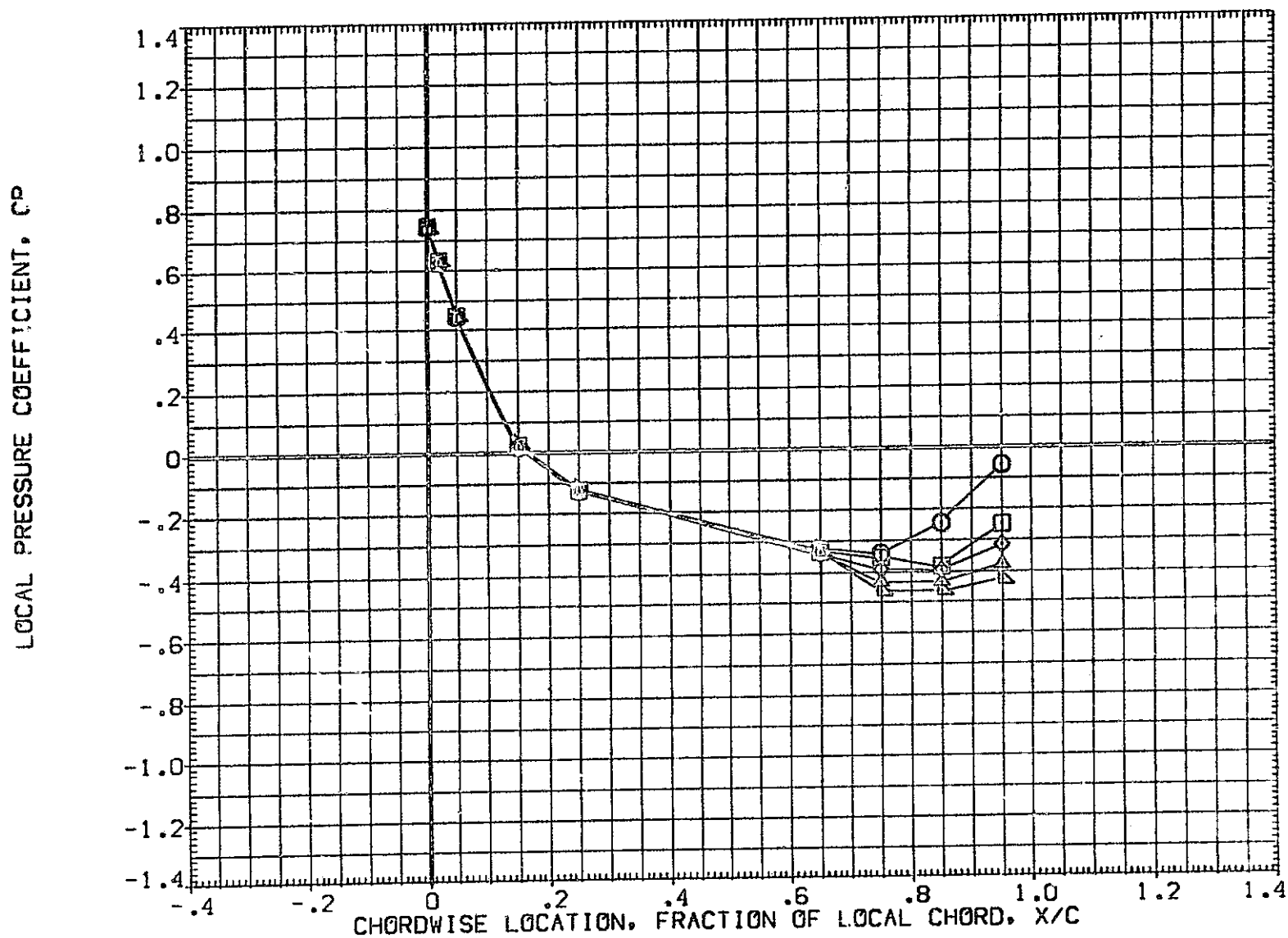


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $BETA = 8$
MACH = 1.500 ALPHA = -2.000 $2Y/B = .771$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

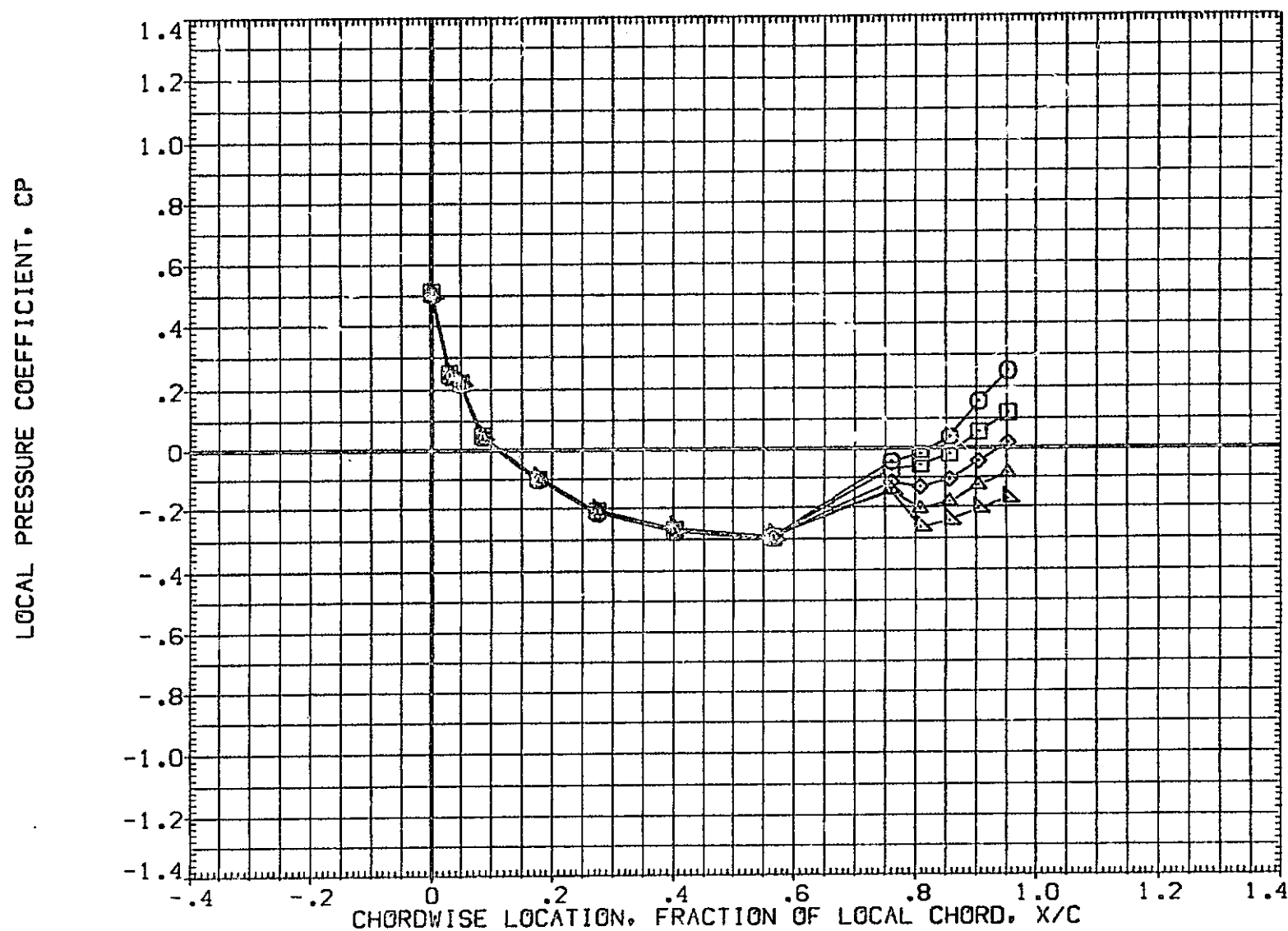


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = .000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION				DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4	
[AF7U53]	□	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	◇	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	△	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	◇	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	△	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	8.000	12.000	12.000	12.000

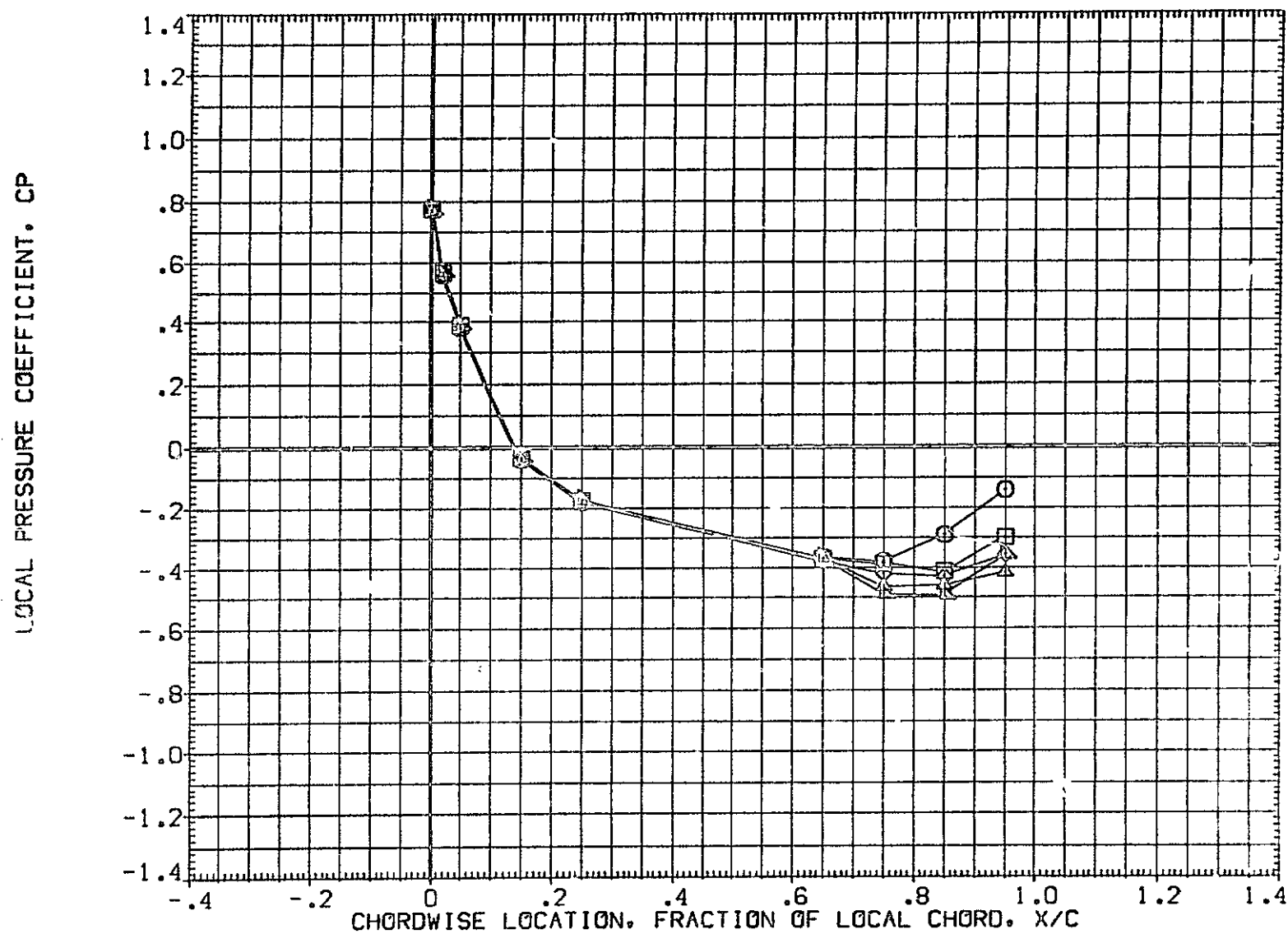


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = .000 2Y/B = .771 PAGE 260

DATA SET	SYMBOL	CONFIGURATION				DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4	
[AF7U63]	○	IA70	01	T12	S1	P2 P8	WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	□	IA70	01	T12	S1	P2 P8	WING UPPER SURFACE	.000	.000	.000	.000
[AF7U46]	◇	IA70	01	T12	S1	P2 P8	WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	×	IA70	01	T12	S1	P2 P8	WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	△	IA70	01	T12	S1	P2 P8	WING UPPER SURFACE	8.000	12.000	12.000	12.000

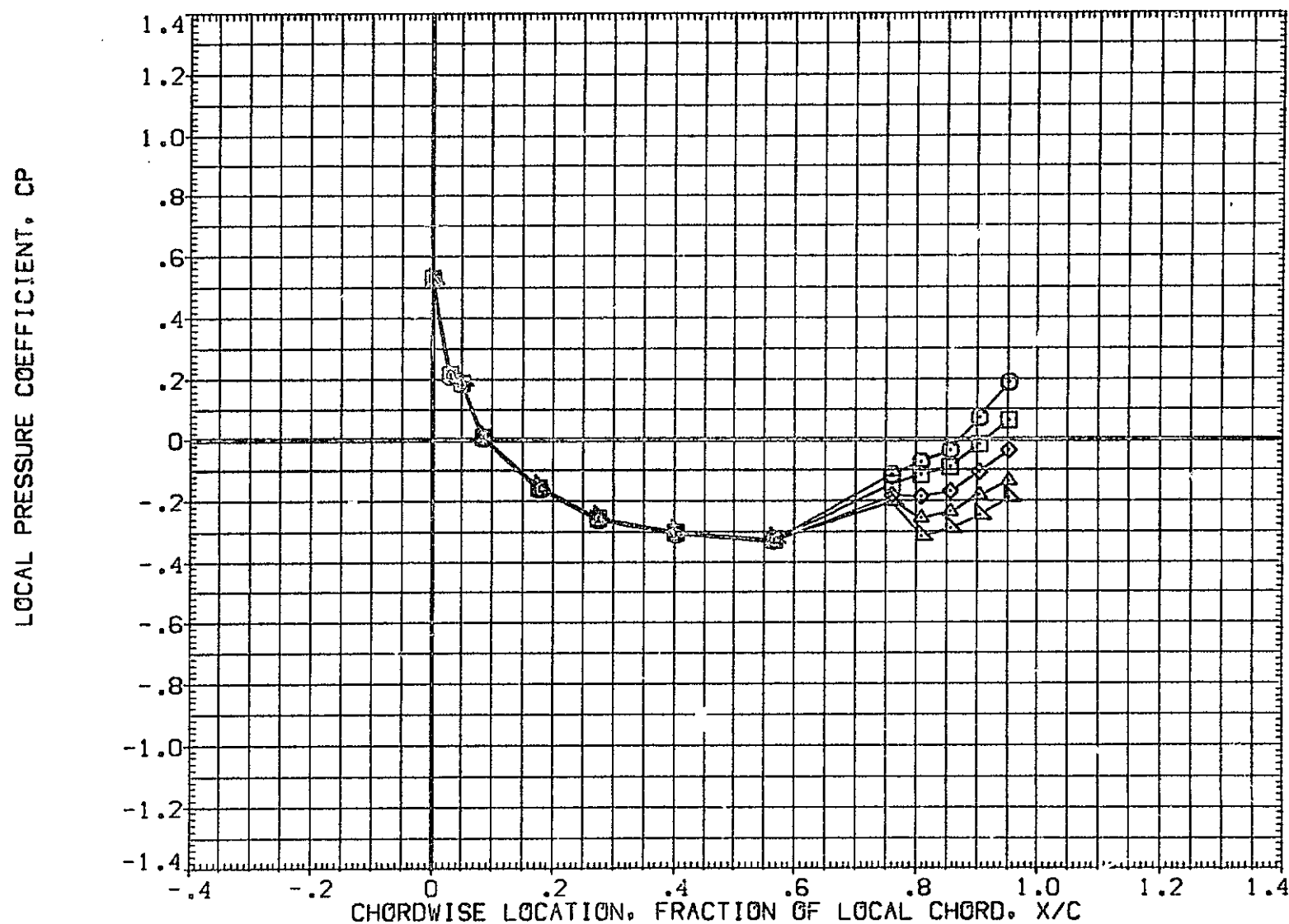


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 2.000 $2Y/B = .436$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U63)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
(AF7U43)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U53)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

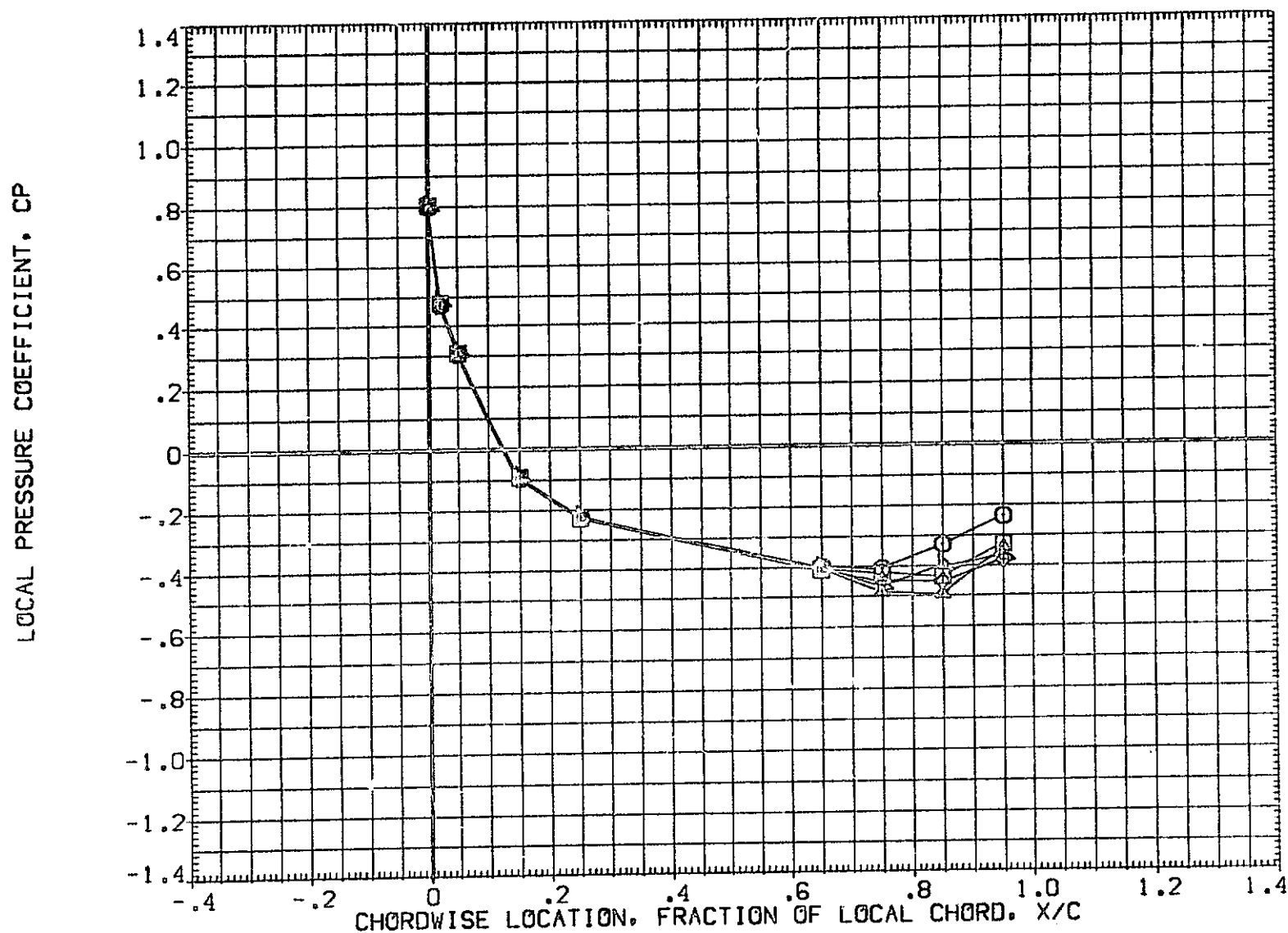


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

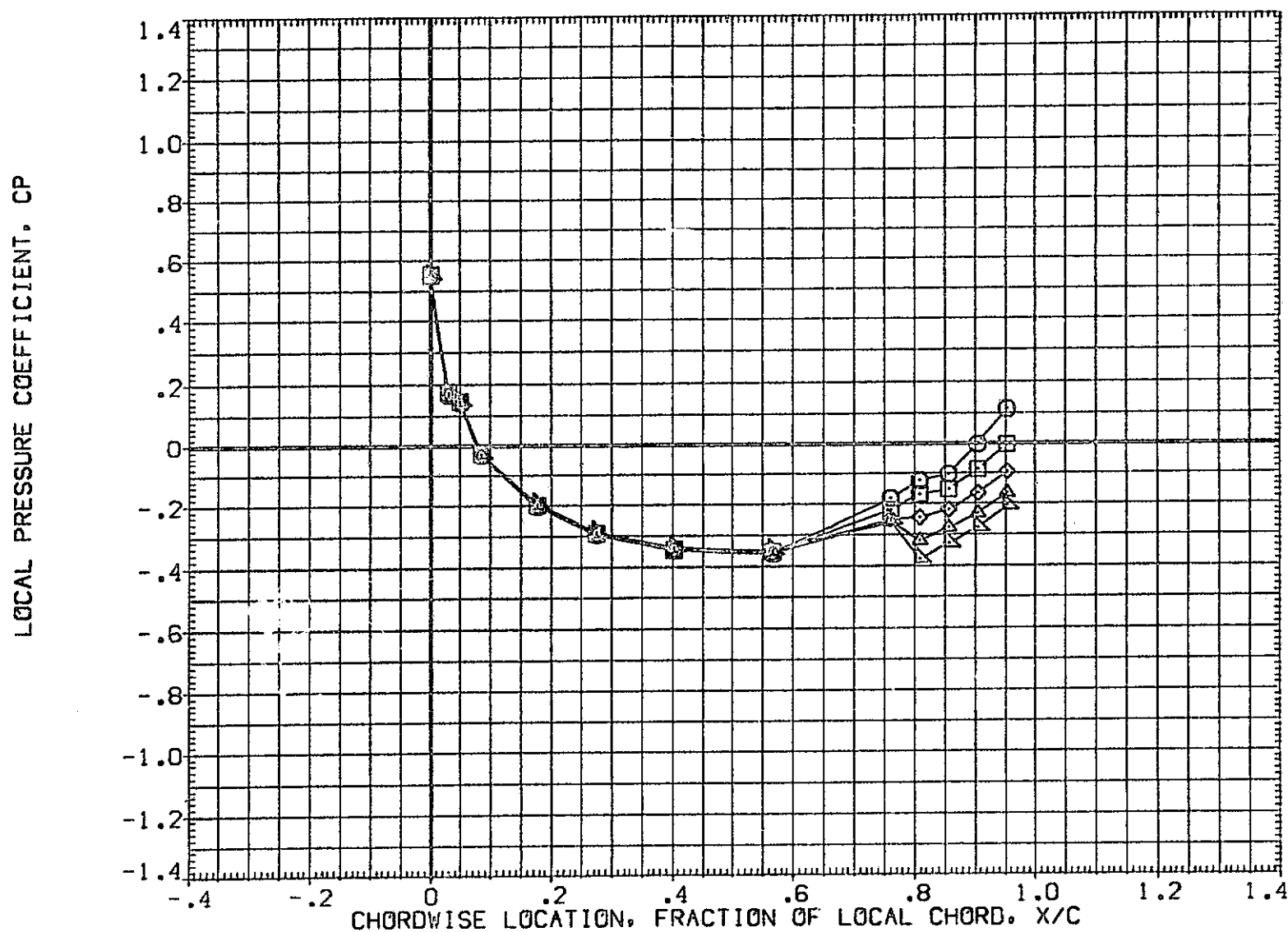


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 4.000 2Y/B = .436 PAGE 263

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U63]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	9.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

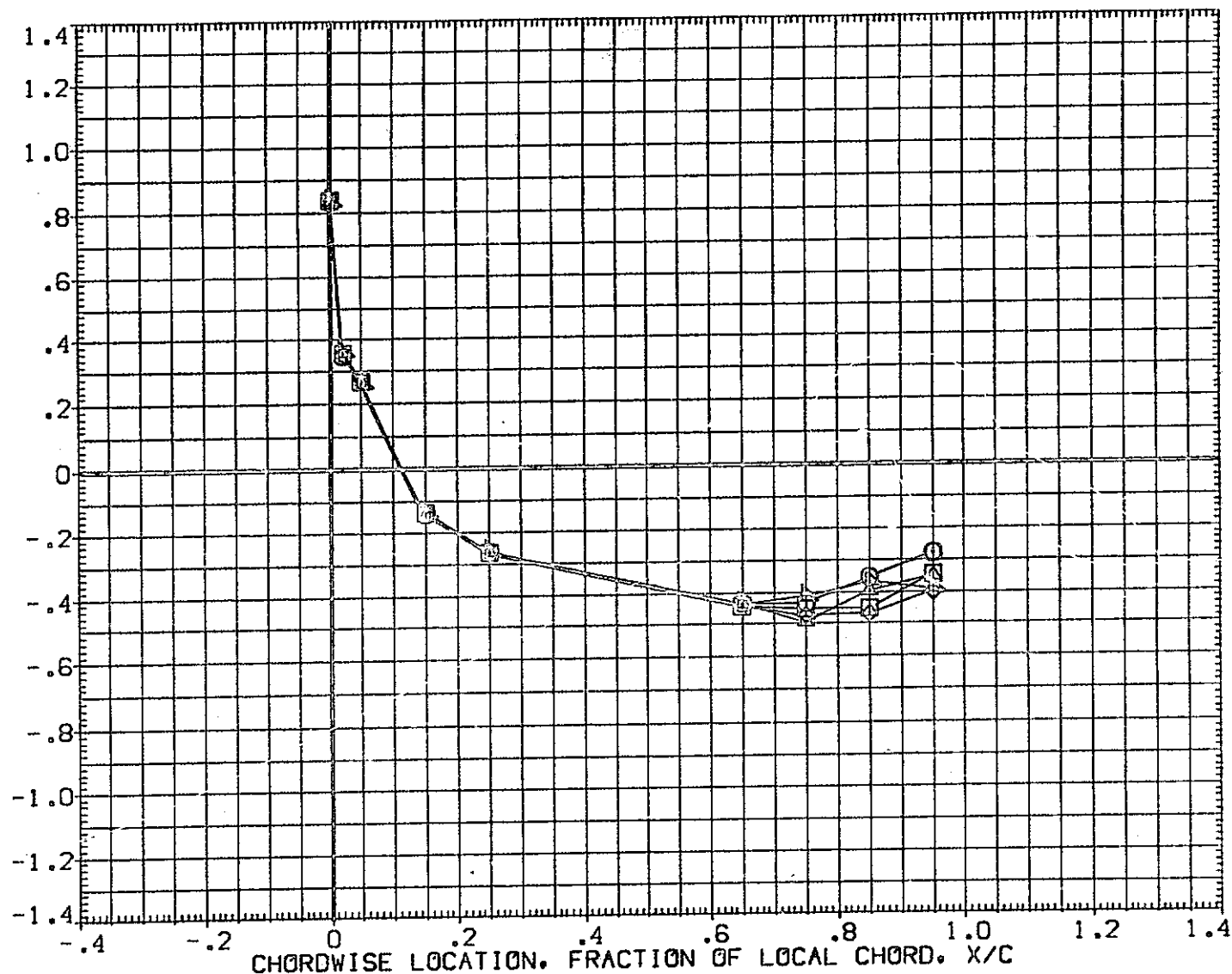


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

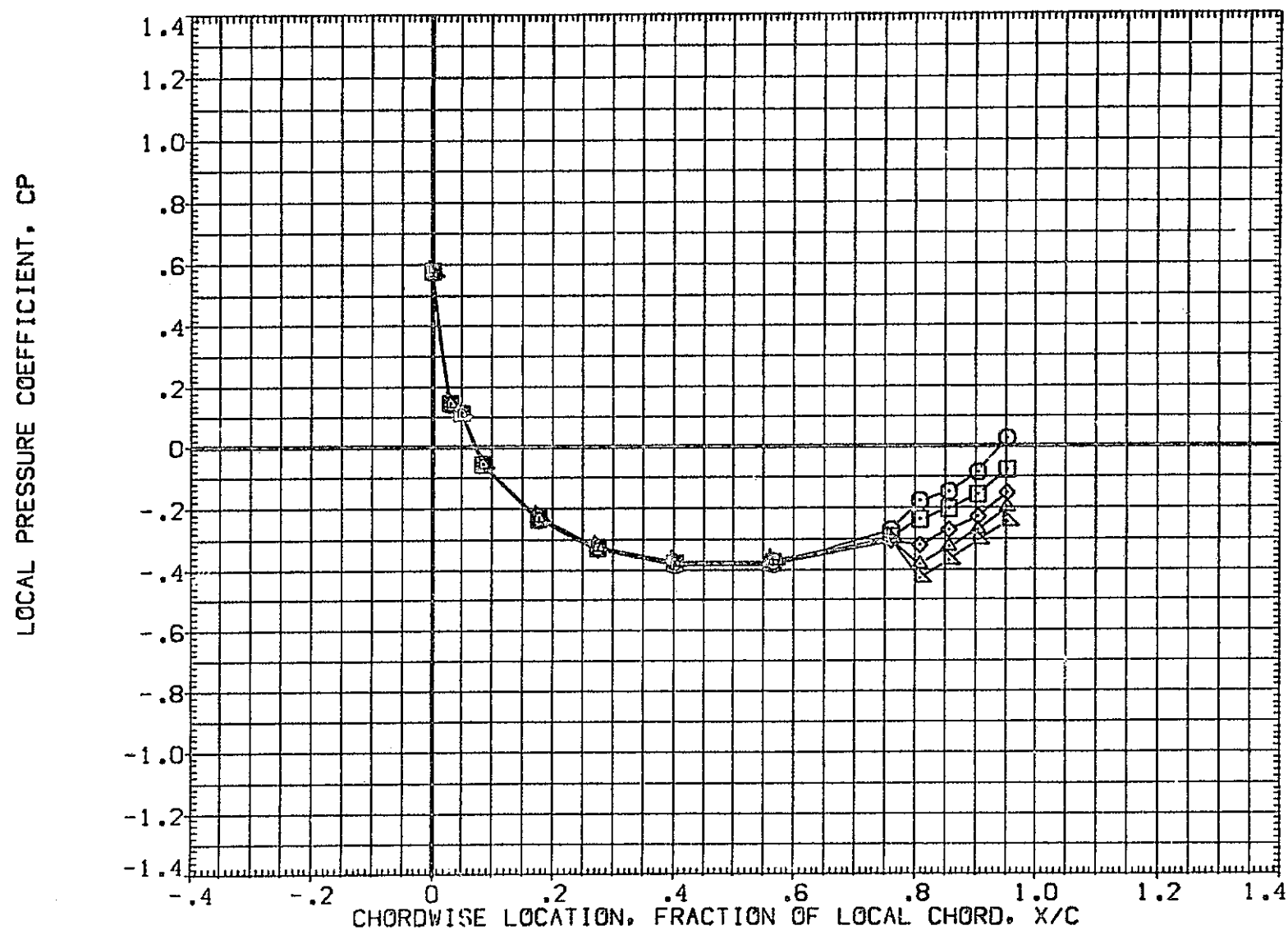


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 6.000 $2Y/B = .436$

PAGE 265

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

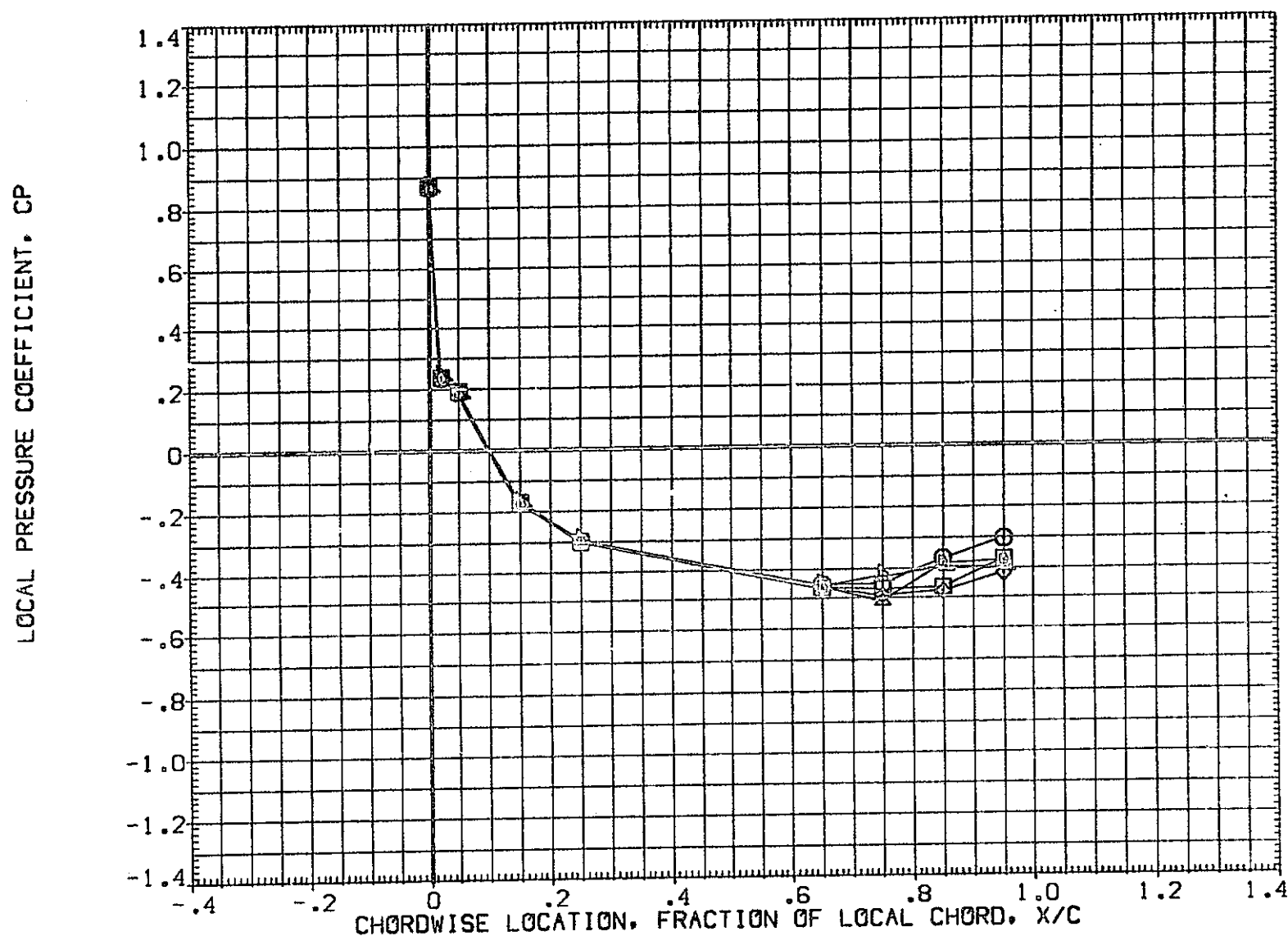


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U53) □	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
(AF7U43) □	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U48) ◇	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U53) △	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U58) △	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

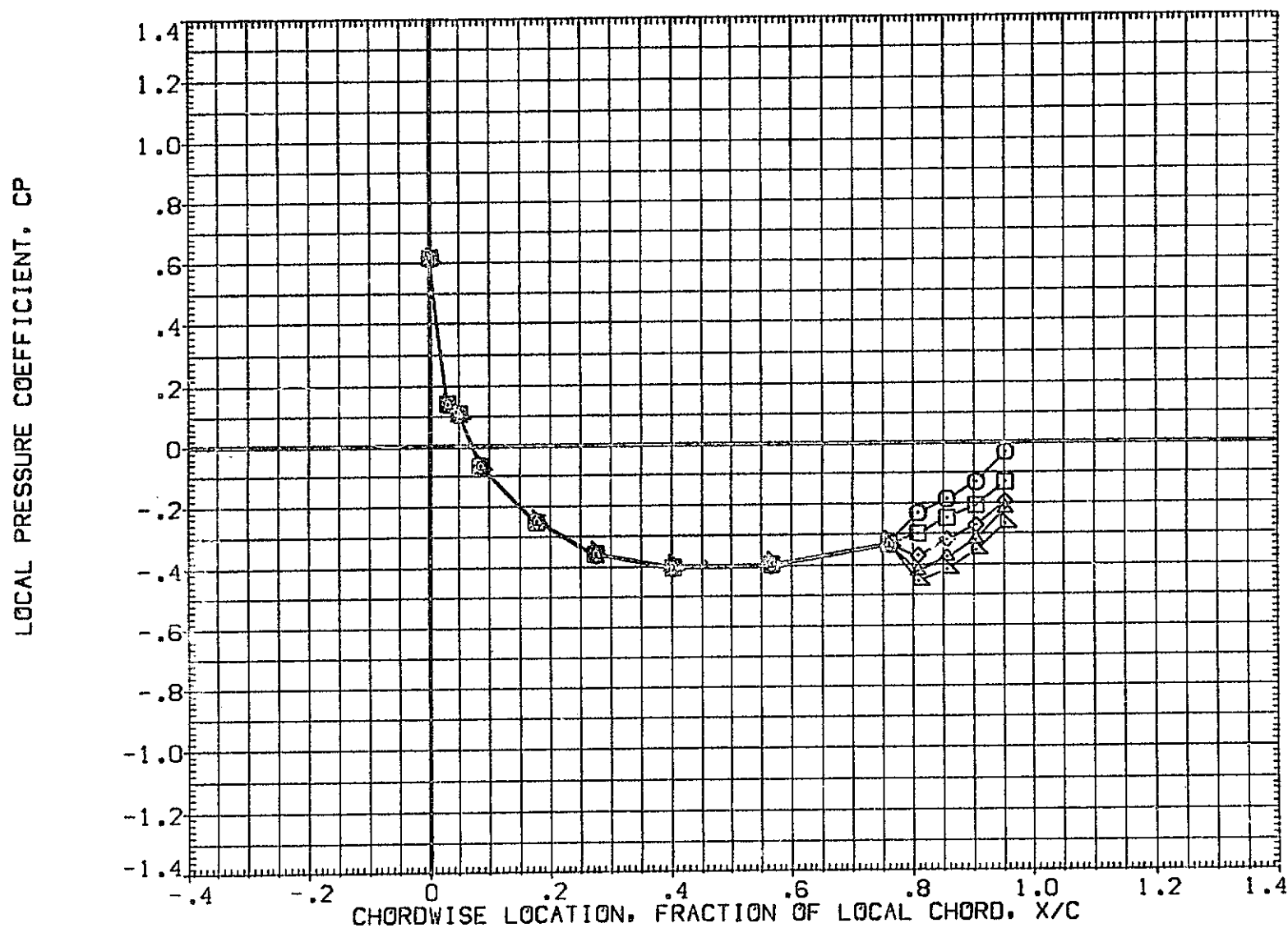


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 8.000 2Y/B = .436 PAGE 267

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	-4.000	.000	-4.000	-4.000
[AF7U43]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U48]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U53]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U58]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

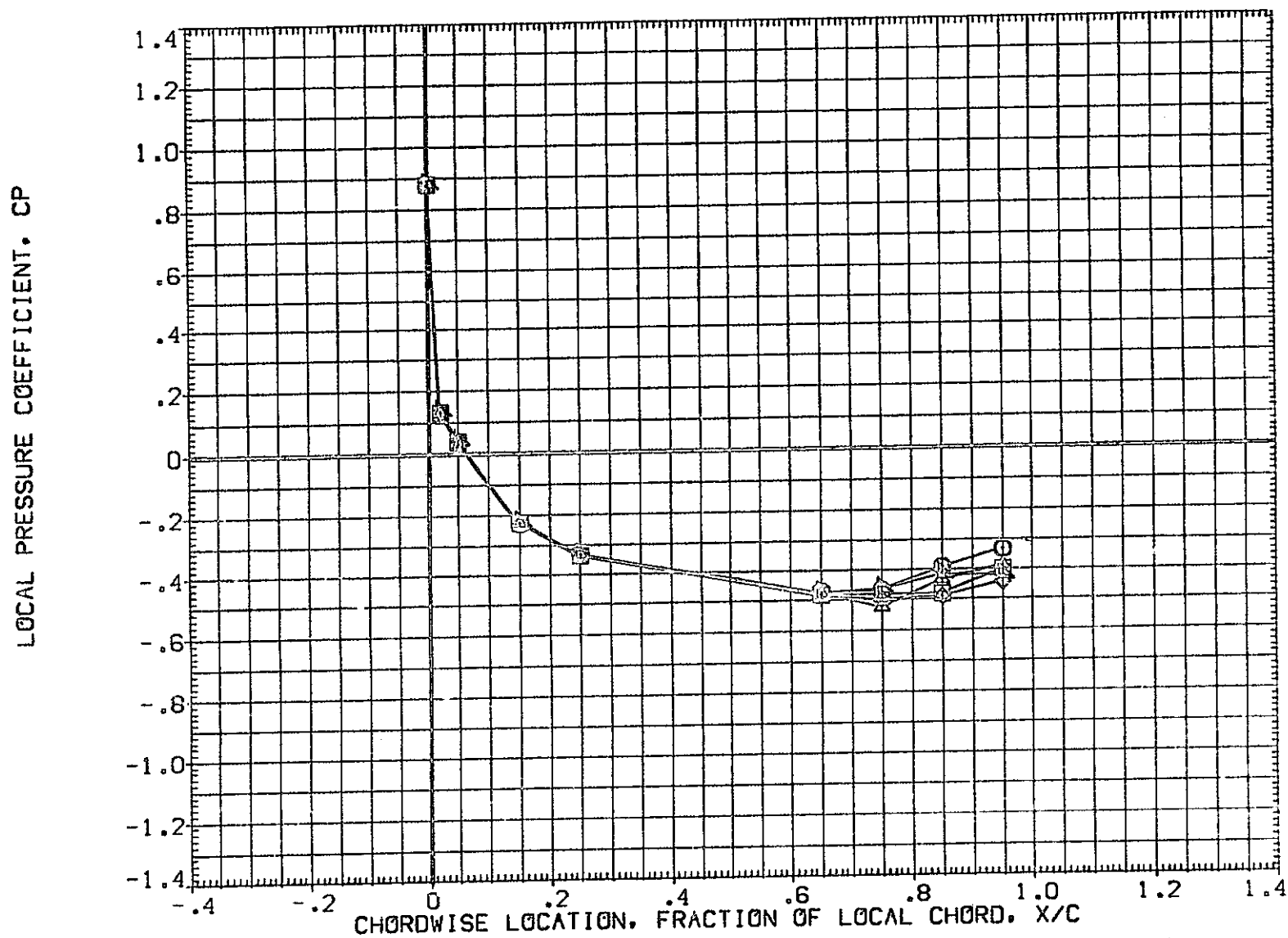


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 8.000 2Y/B = .771 PAGE 268

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L48]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

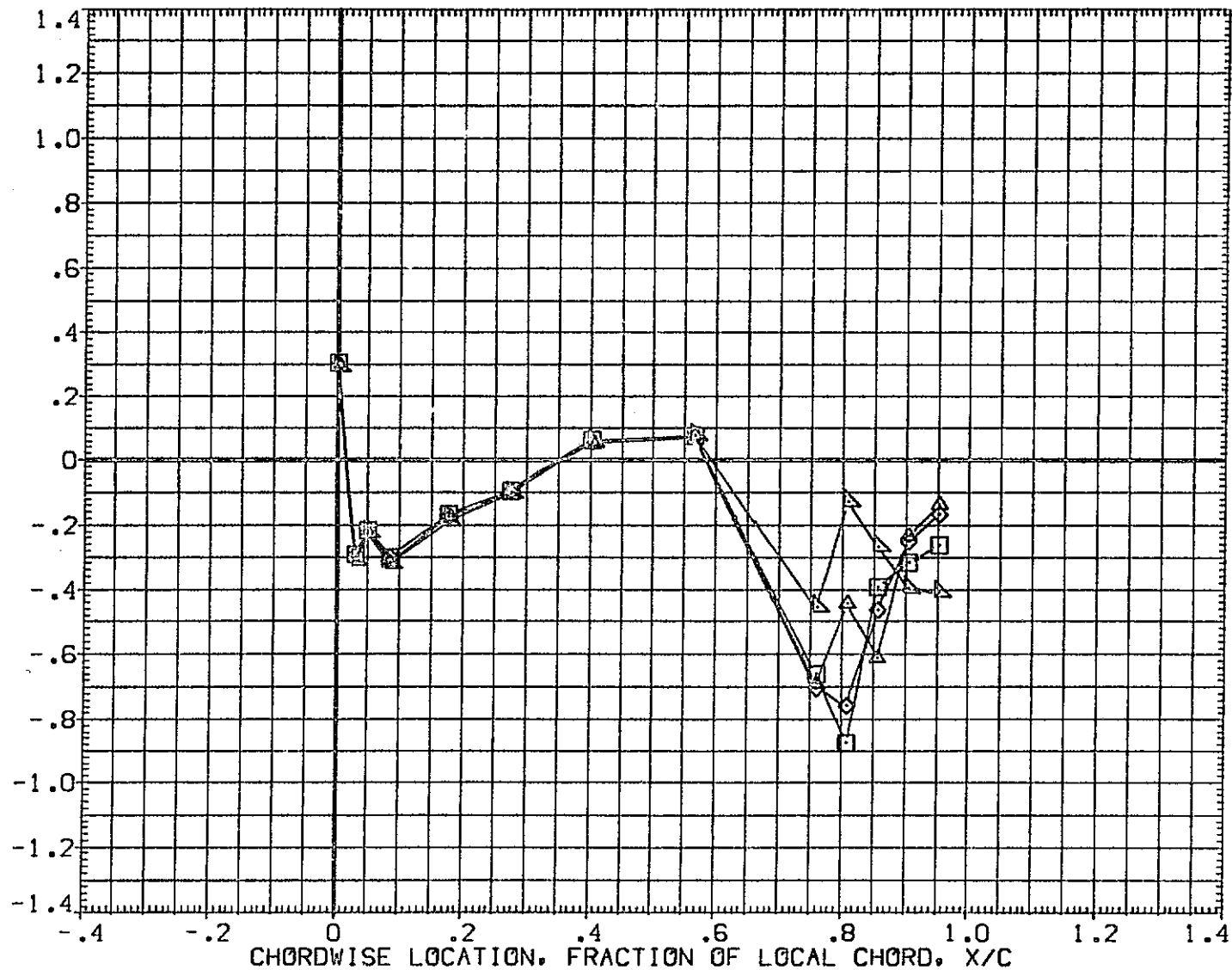


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

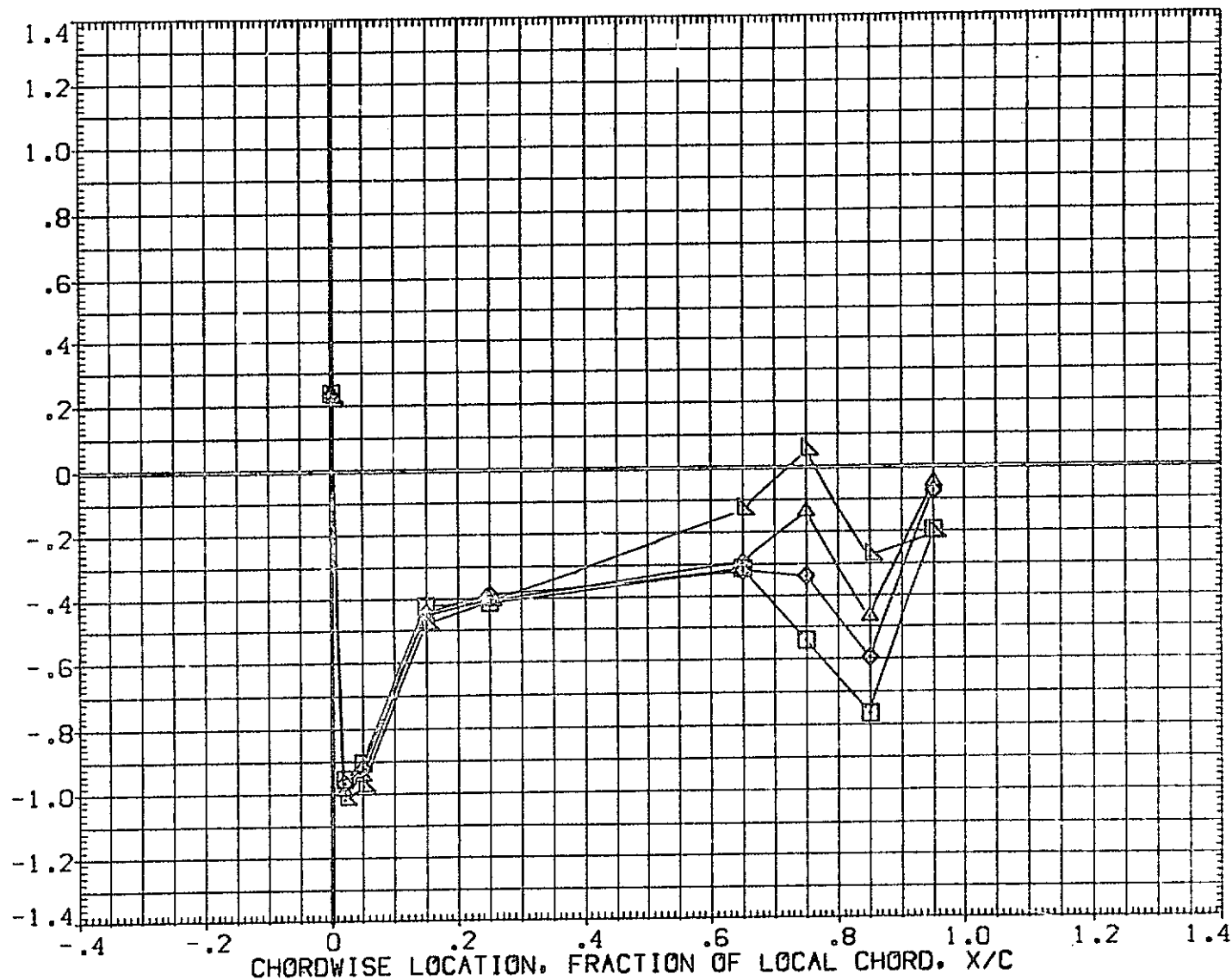
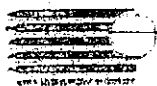


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

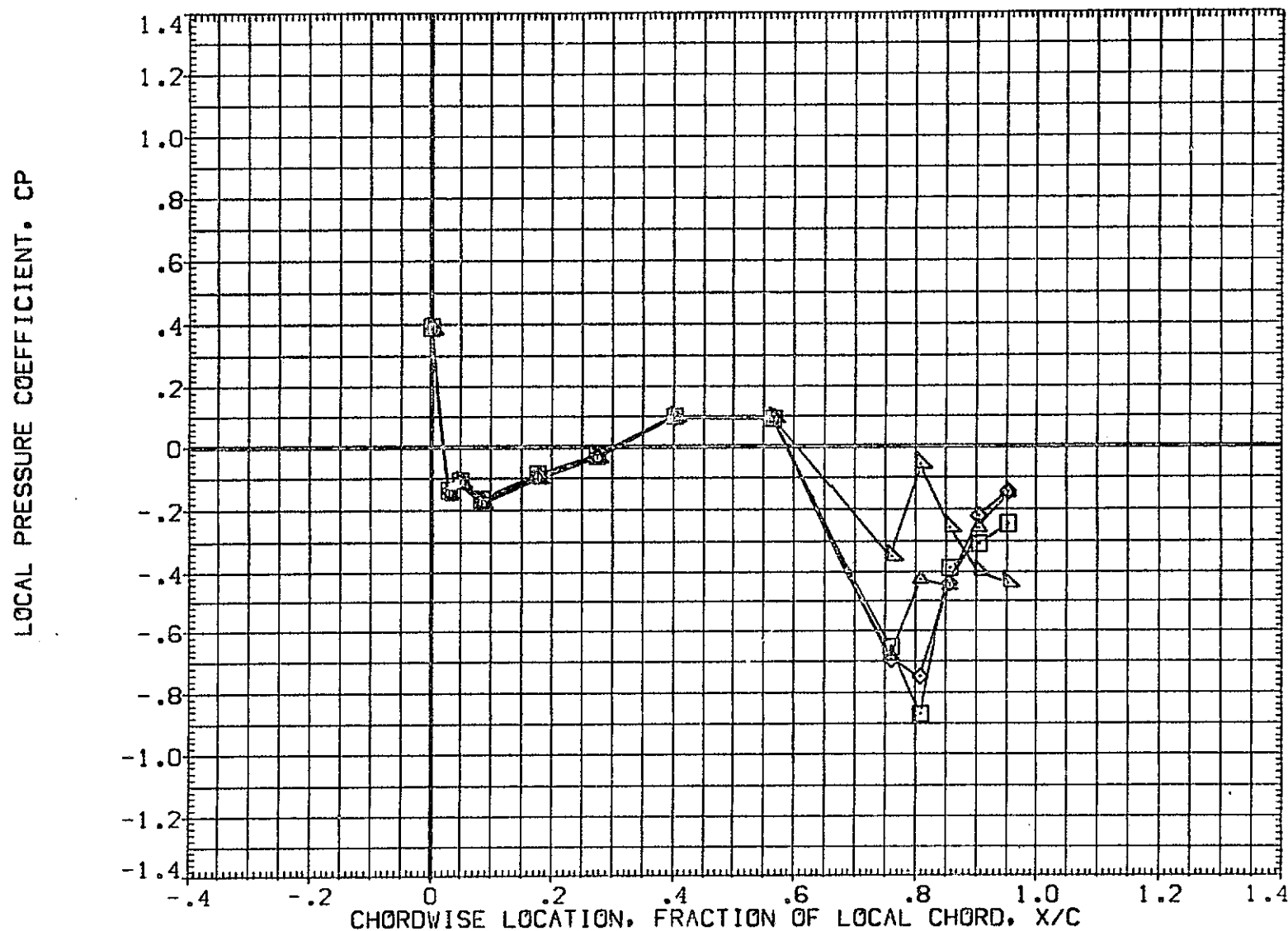


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

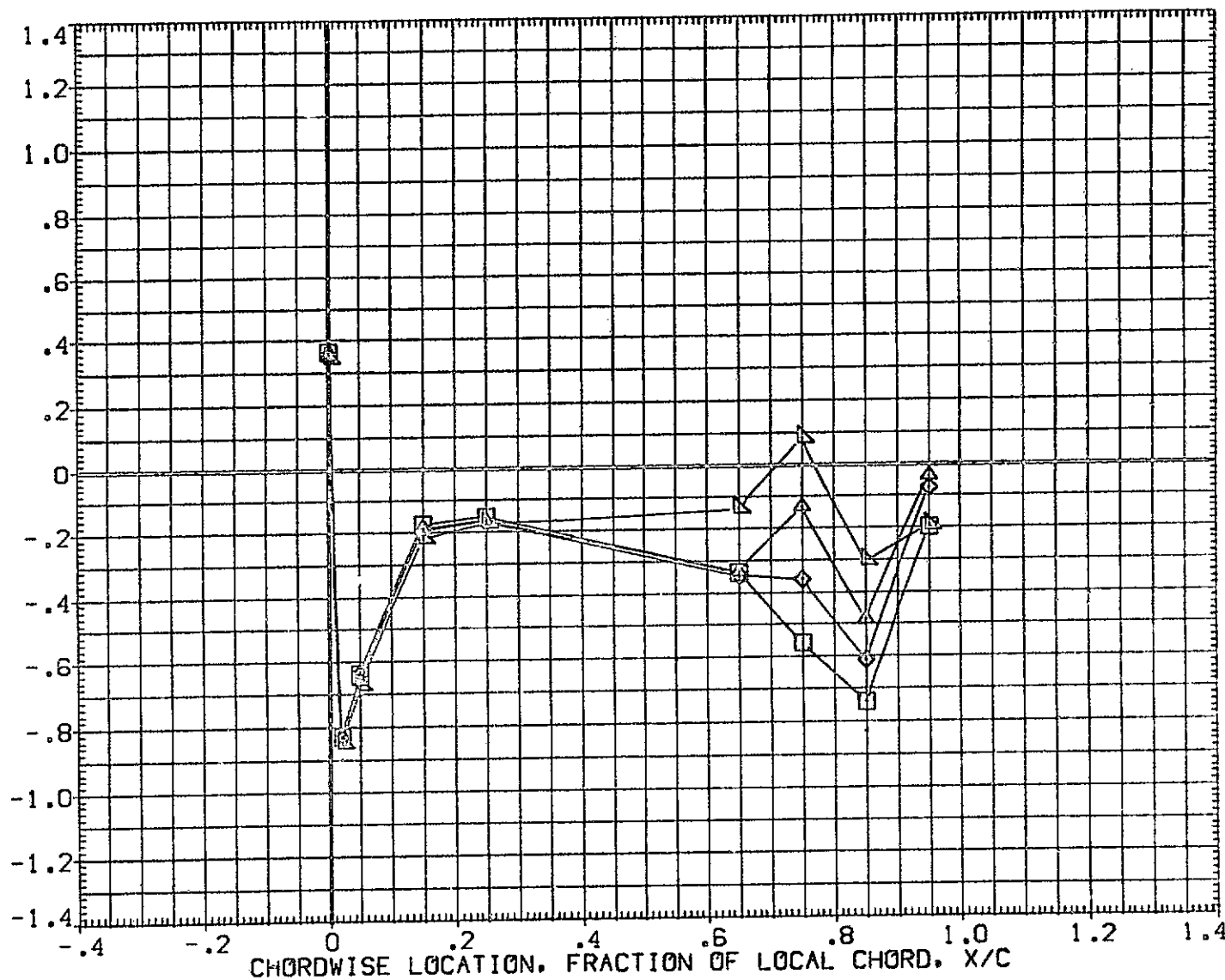


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				

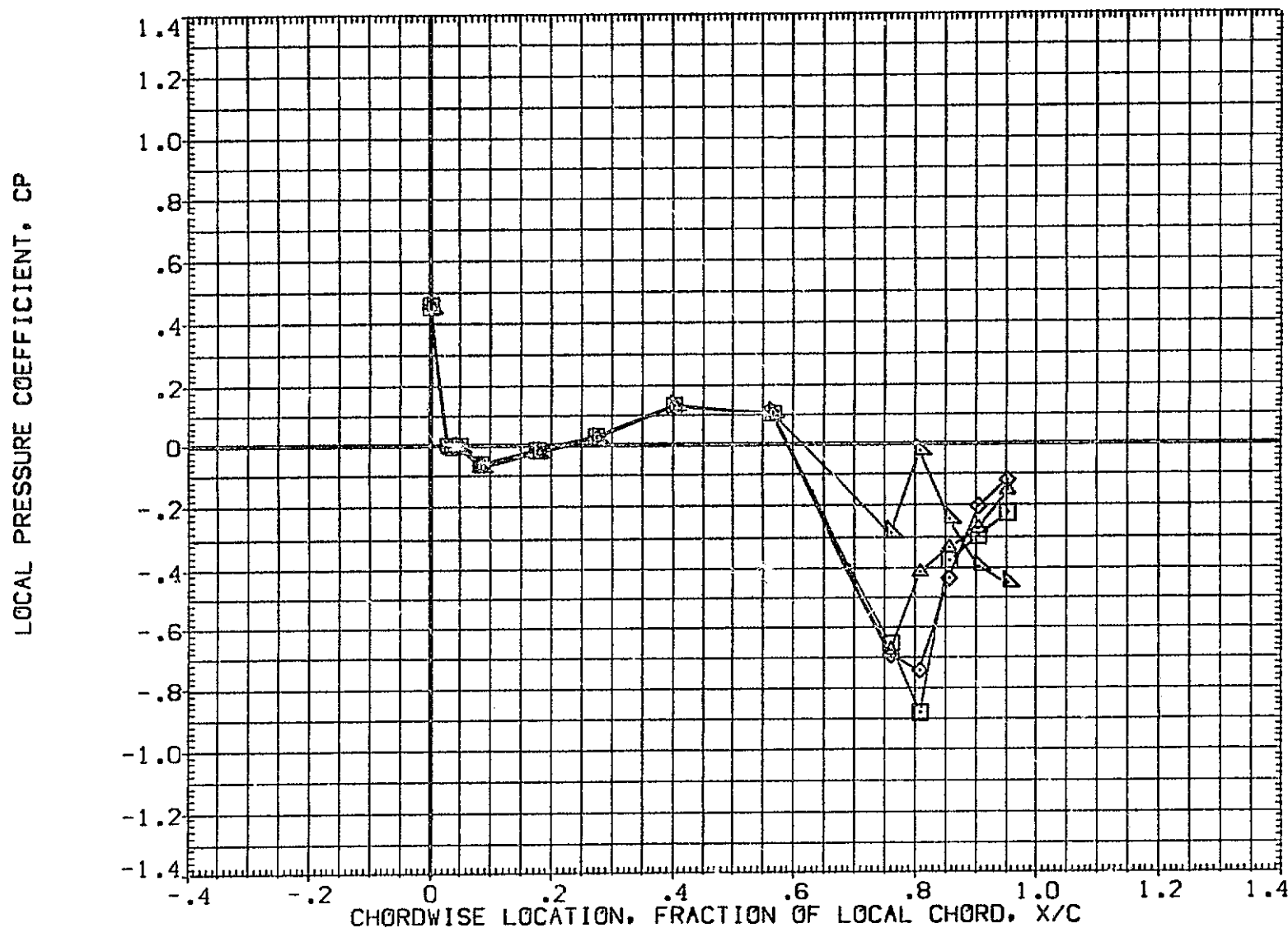


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

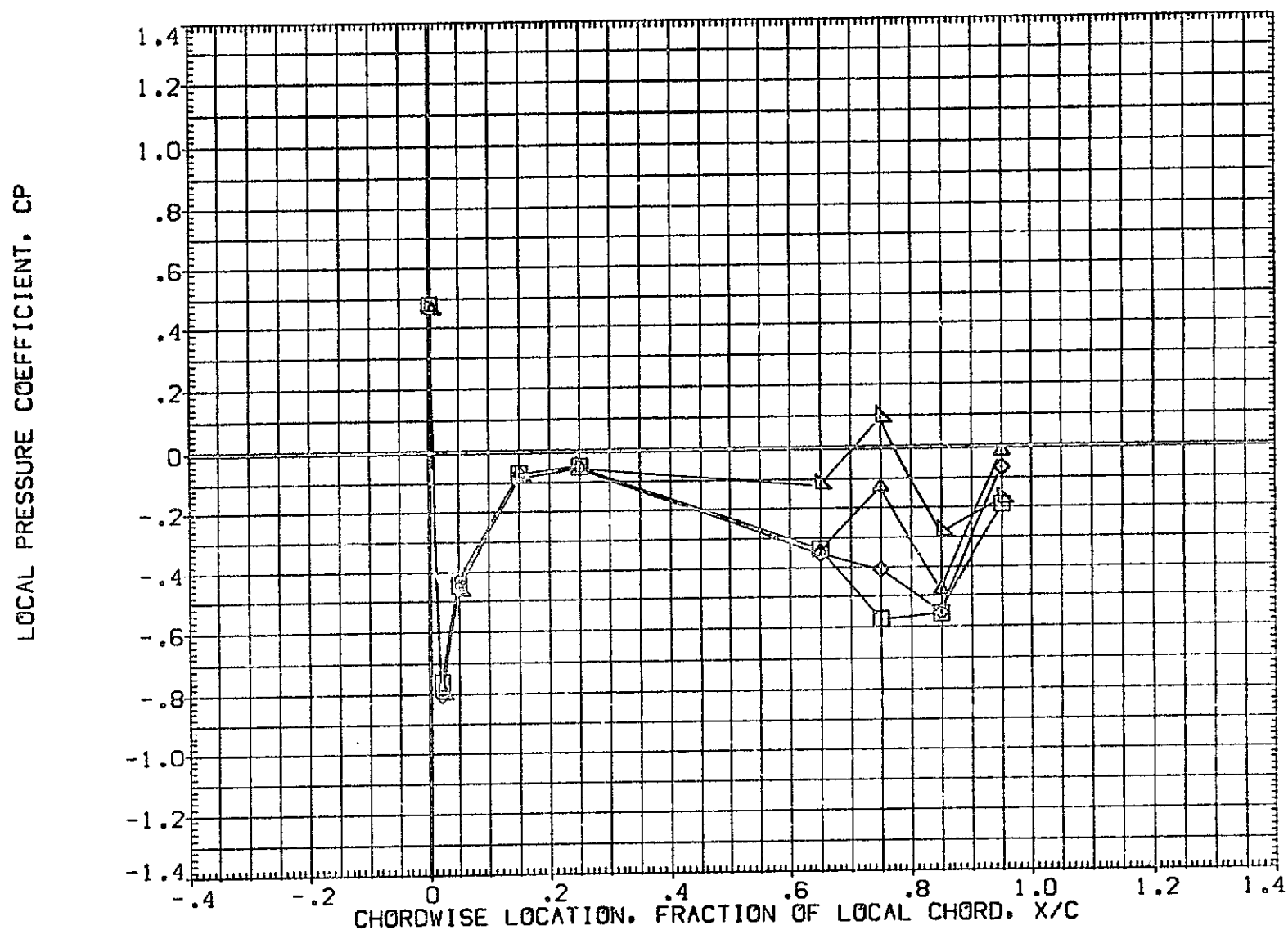


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = -4.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	○	DATA NOT AVAILABLE
[AF7L43]	□	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L48]	◇	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L53]	△	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L58]	▽	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

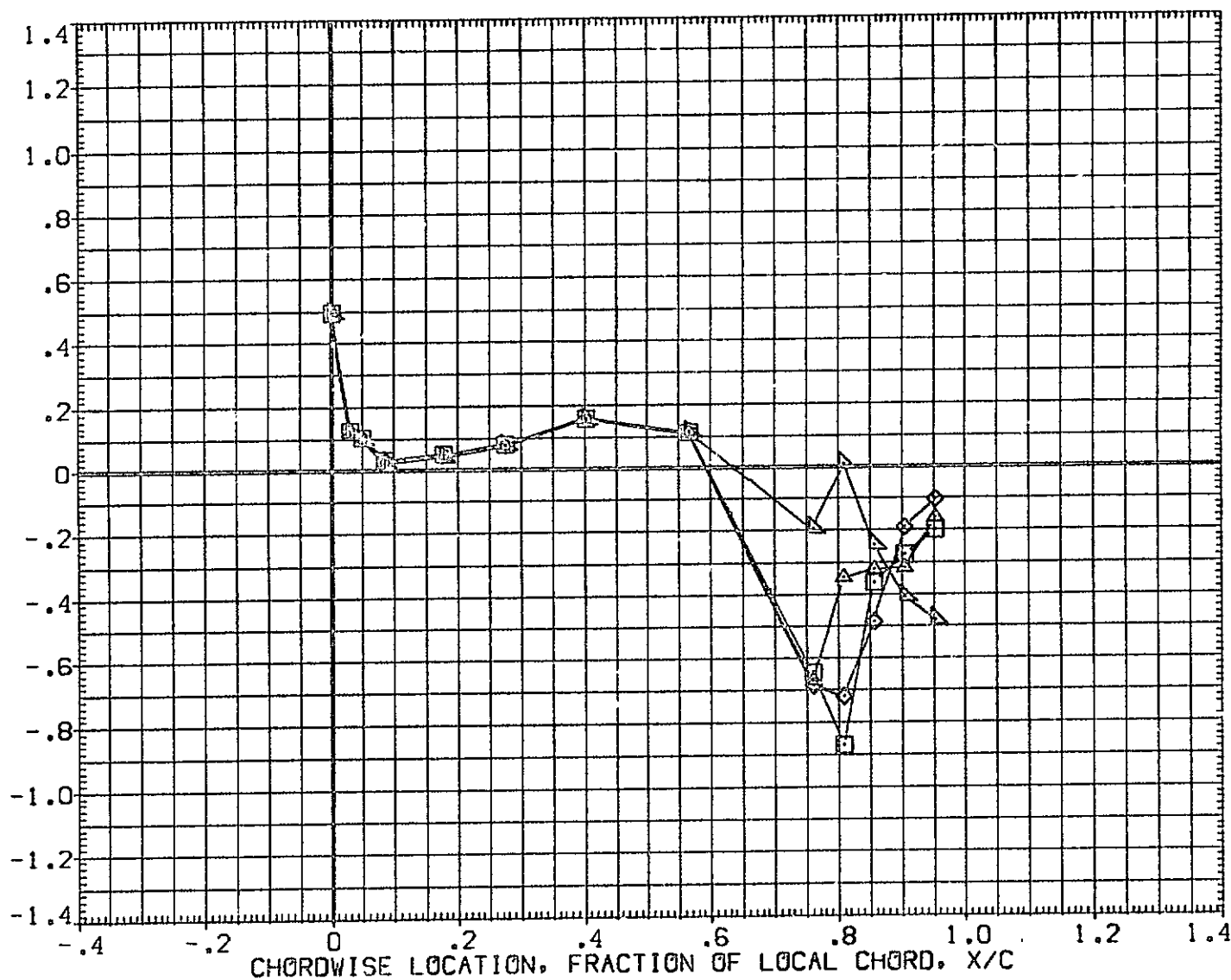


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L48]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L53]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L58]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

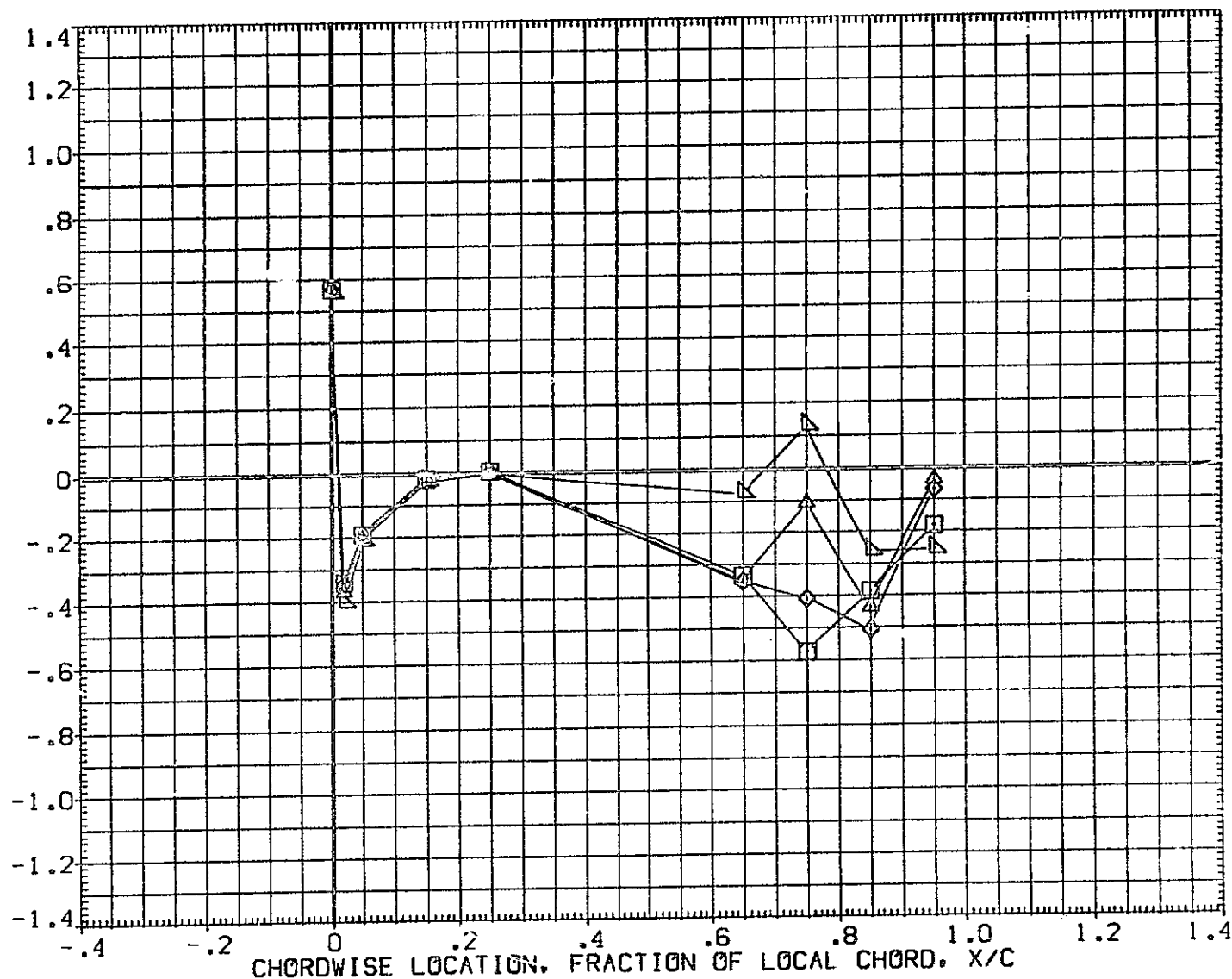


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

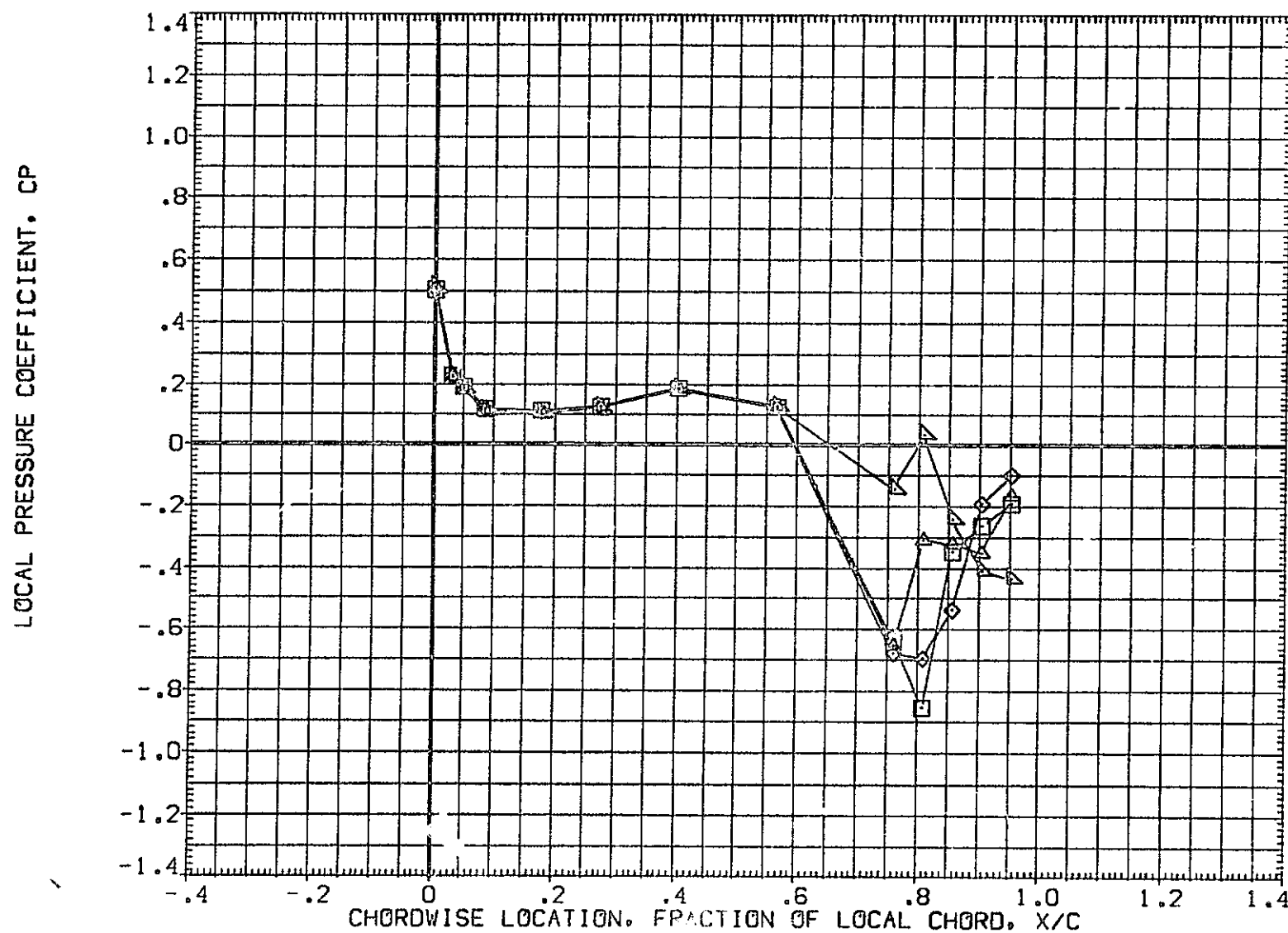


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = .000 2Y/B = .436 PAGE 277

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7L63) DATA NOT AVAILABLE

(AF7L43) 1A70 01 T12 S1 P2 P8

(AF7L48) 1A70 01 T12 S1 P2 P8

(AF7L59) 1A70 01 T12 S1 P2 P8

(AF7L59) 1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

WING LOWER SURFACE

WING LOWER SURFACE

WING LOWER SURFACE

ELV-1

ELV-2

ELV-3

ELV-4

-4.000

.000

-4.000

-4.000

.000

.000

.000

.000

4.000

4.000

4.000

4.000

8.000

8.000

8.000

8.000

8.000

12.000

12.000

12.000

LOCAL PRESSURE COEFFICIENT, CP

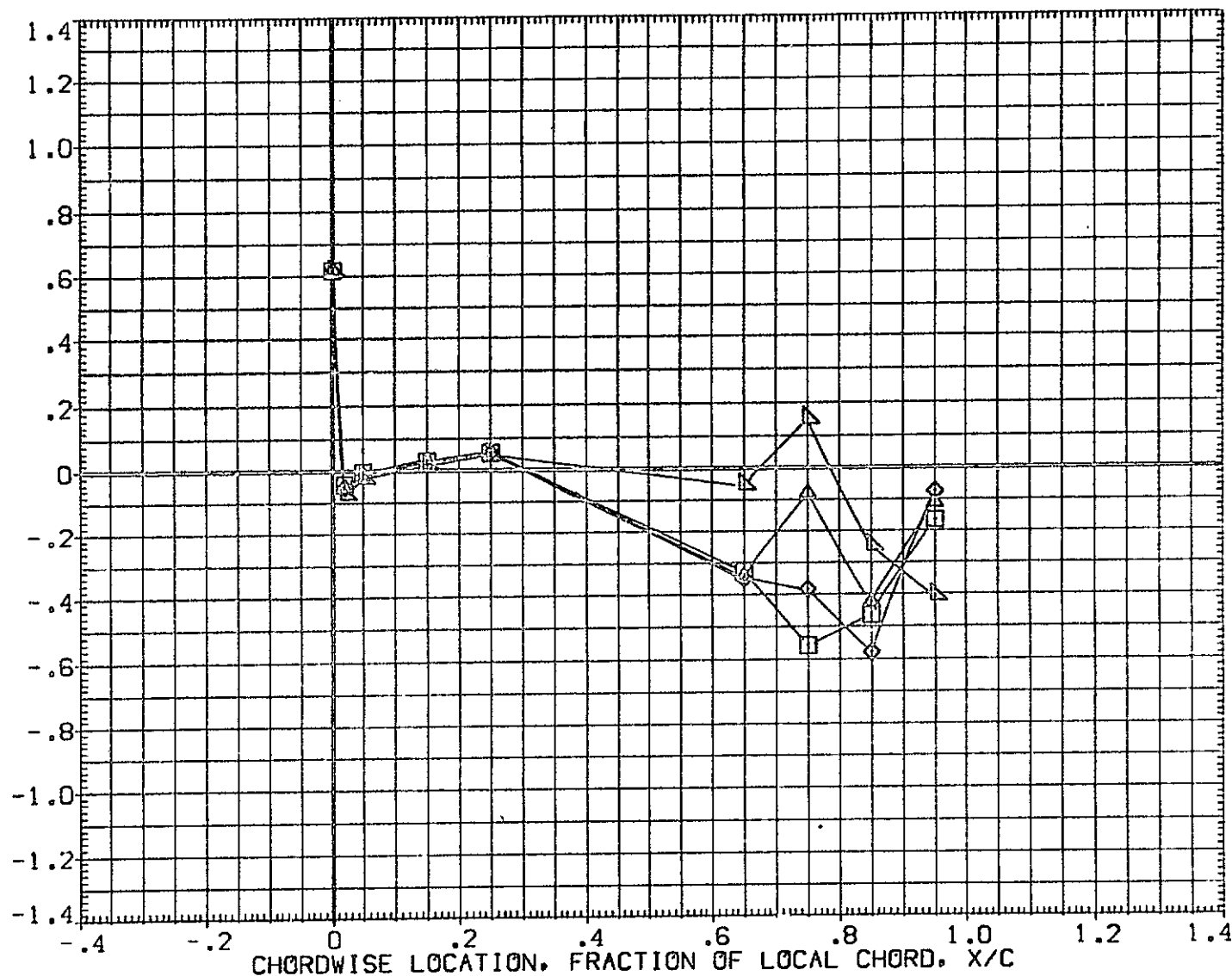


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

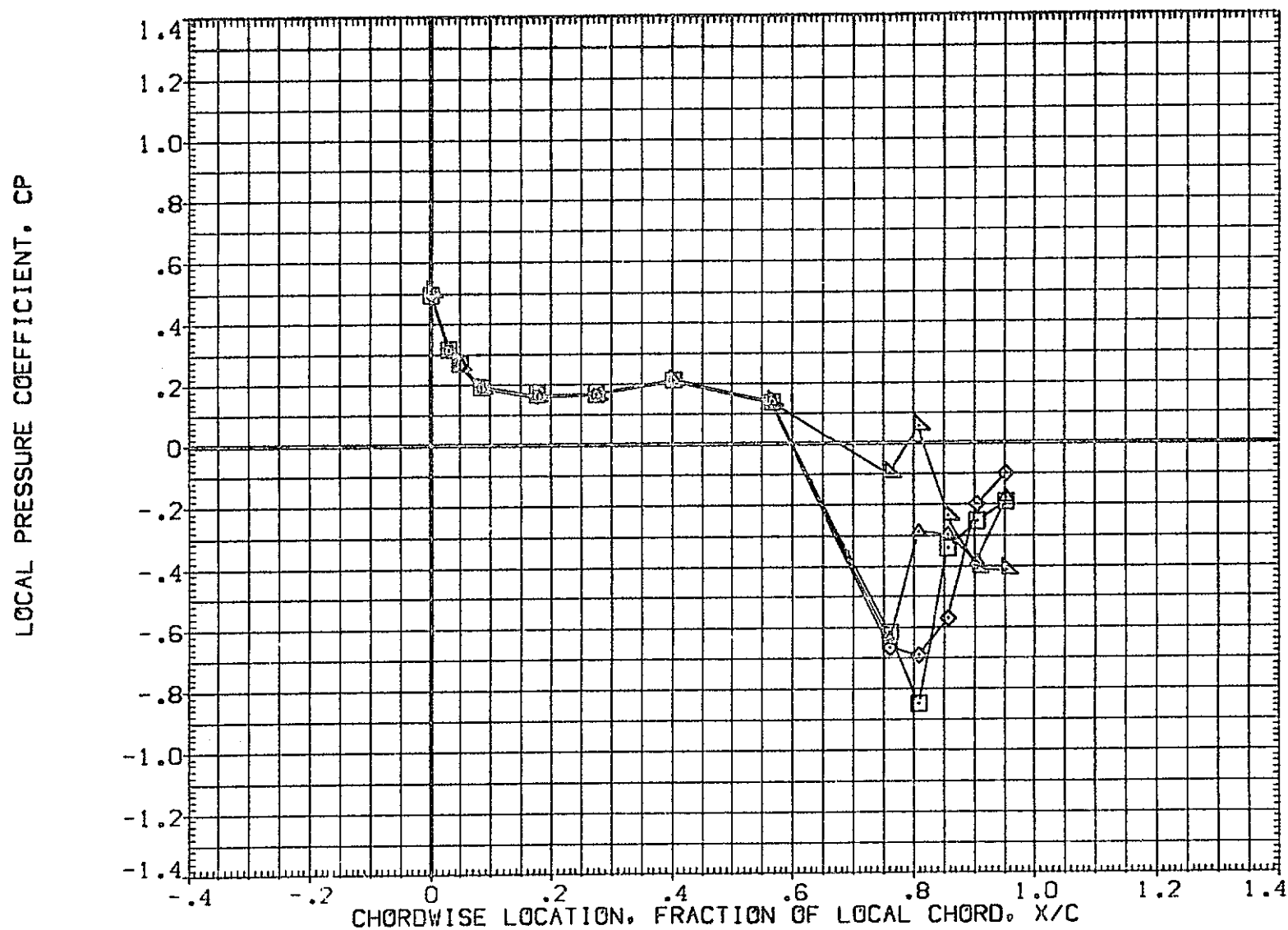


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	1A70 01 T12 S1 P2 P8
[AF7L48]	1A70 01 T12 S1 P2 P8
[AF7L53]	1A70 01 T12 S1 P2 P8
[AF7L58]	1A70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
WING LOWER SURFACE	.000	.000	.000	.000
WING LOWER SURFACE	4.000	4.000	4.000	4.000
WING LOWER SURFACE	8.000	8.000	8.000	8.000
WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

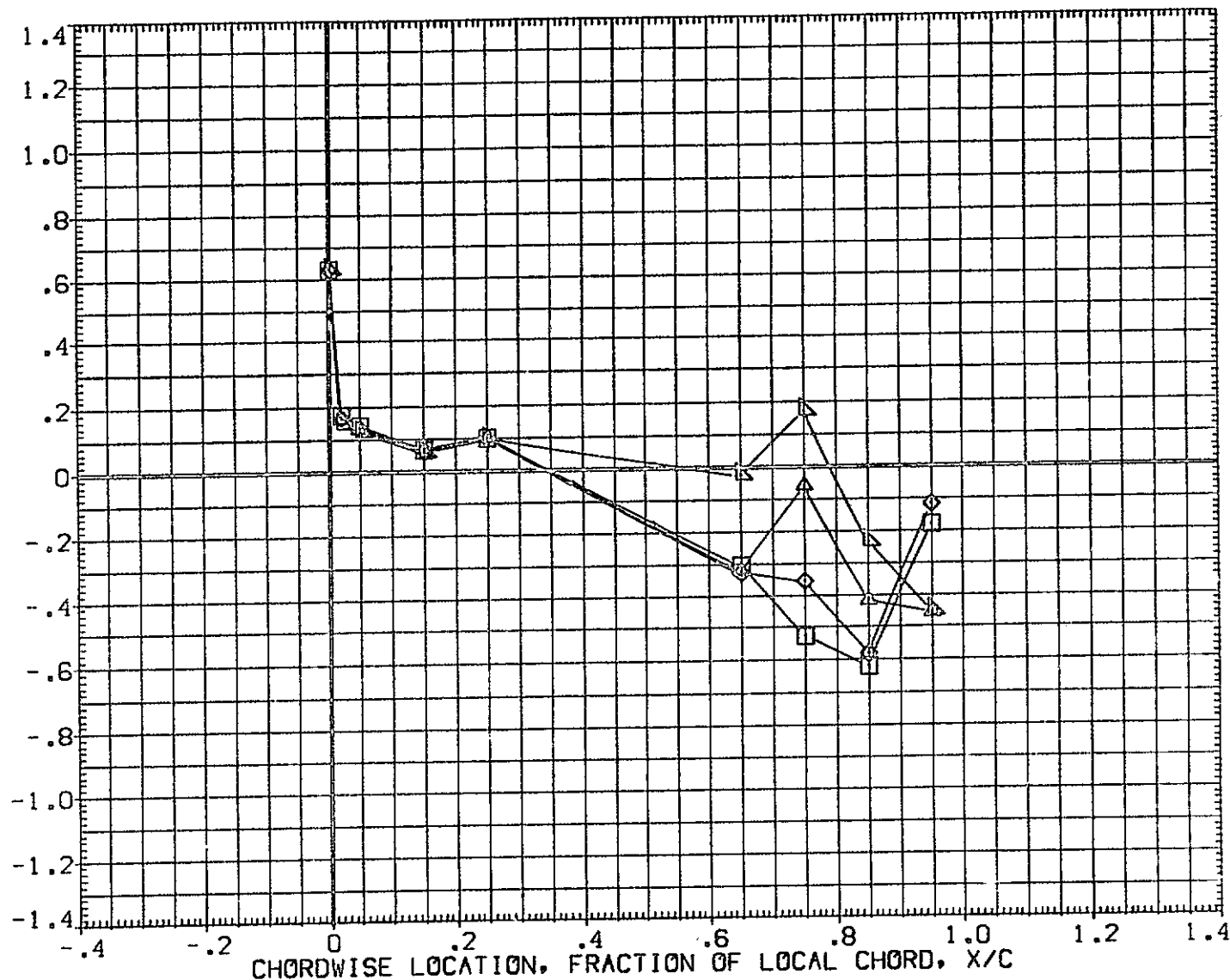


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7L43}	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
{AF7L48}	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{AF7L53}	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{AF7L58}	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

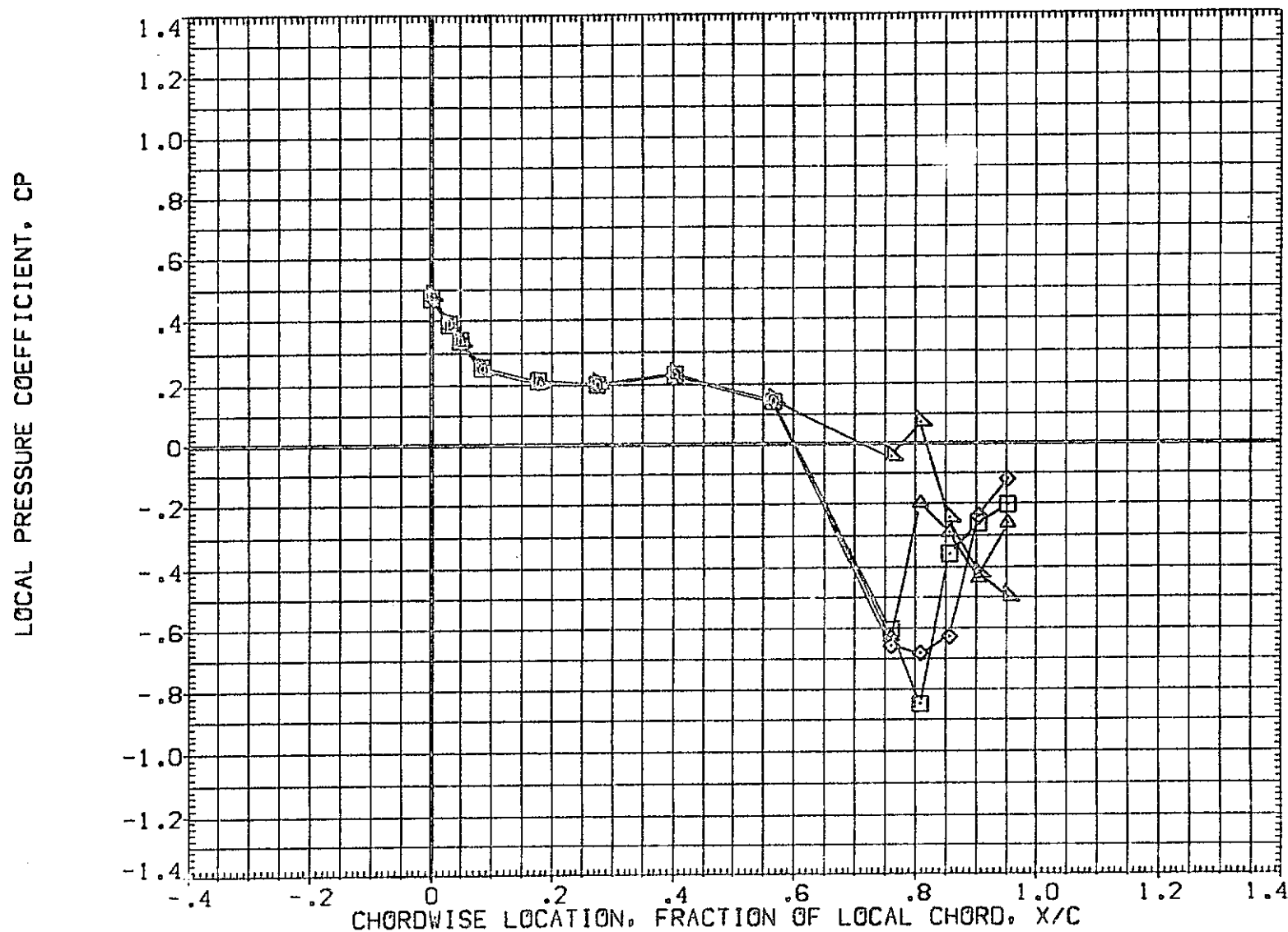


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 4.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

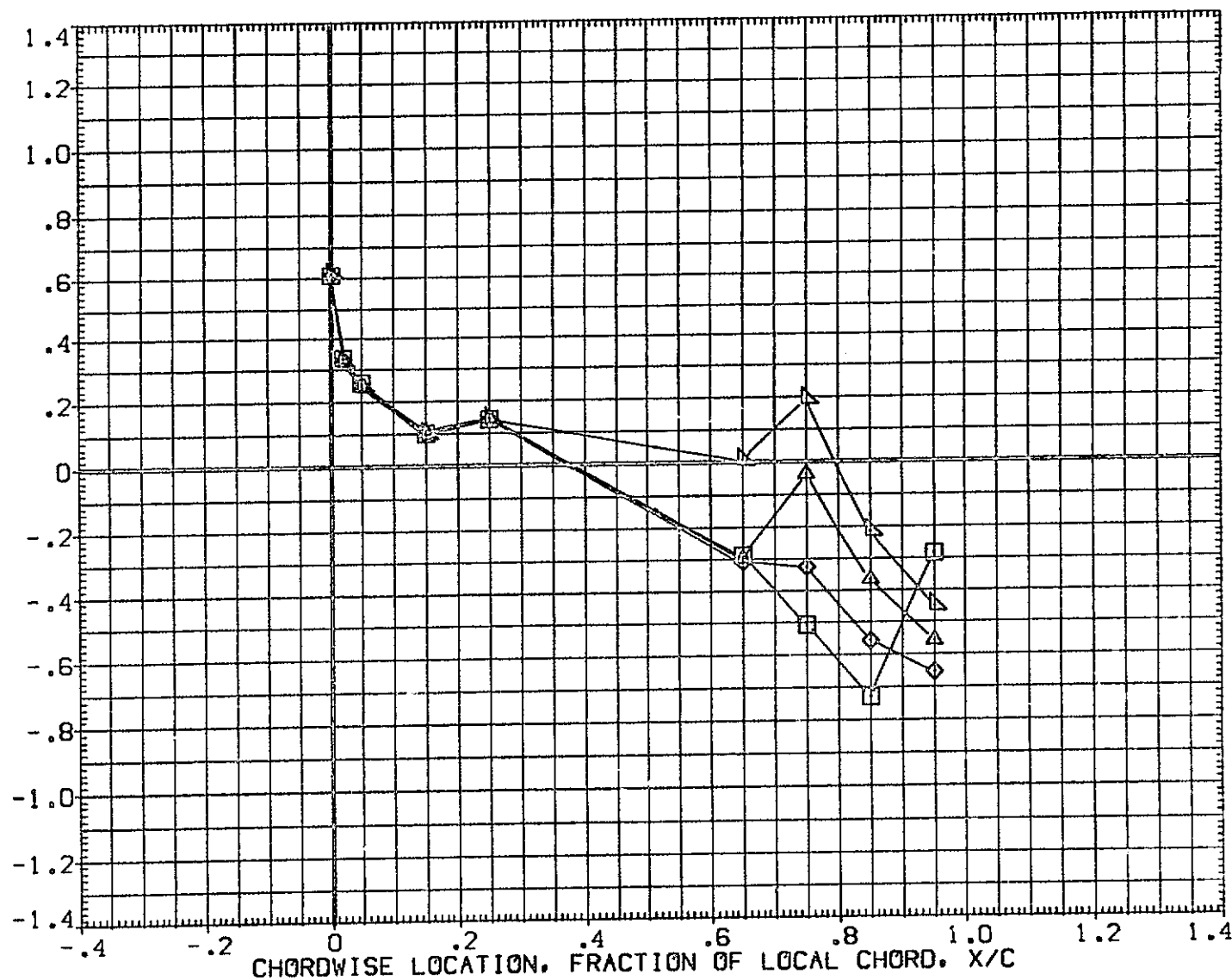


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L48]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L53]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L58]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

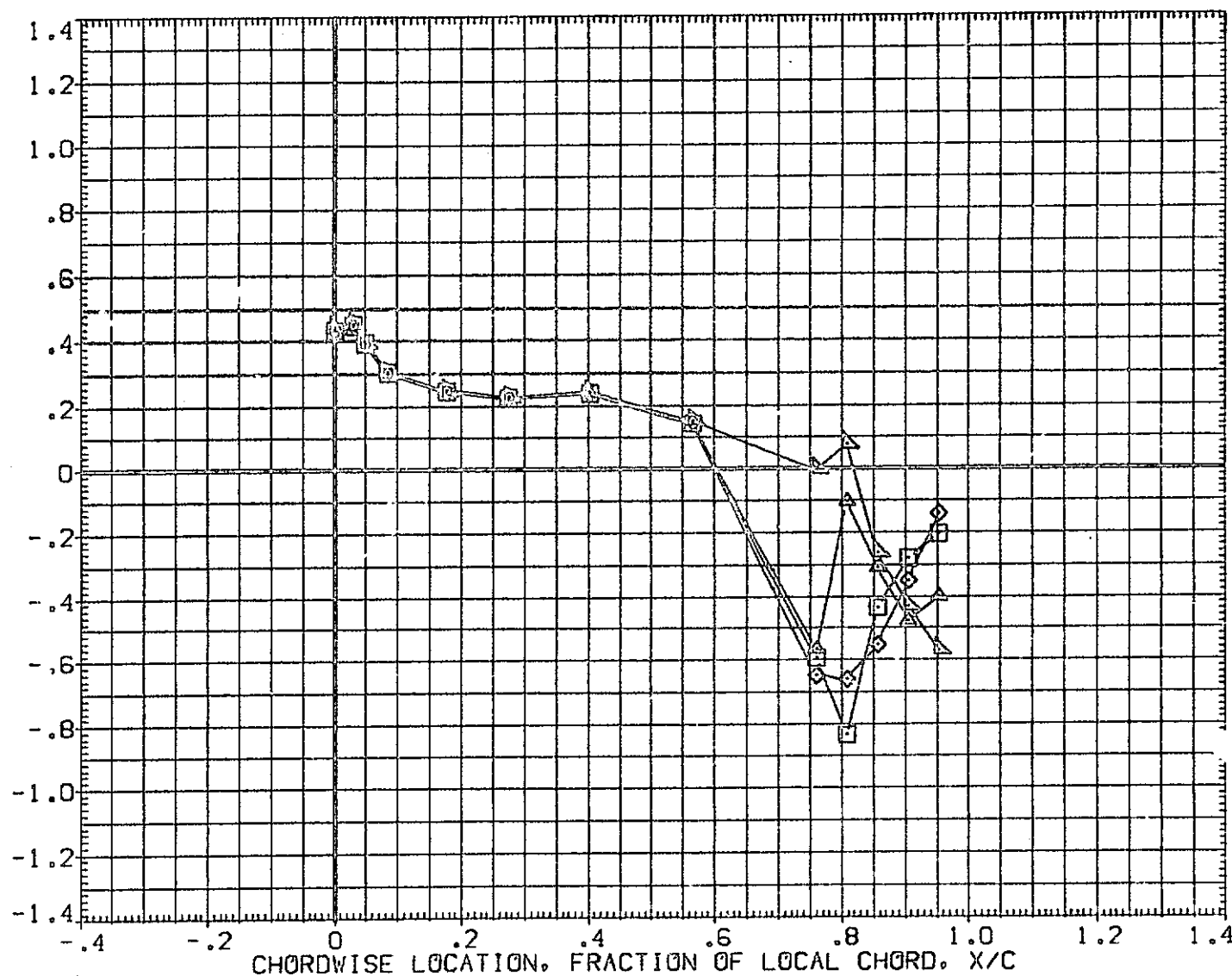


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 6.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

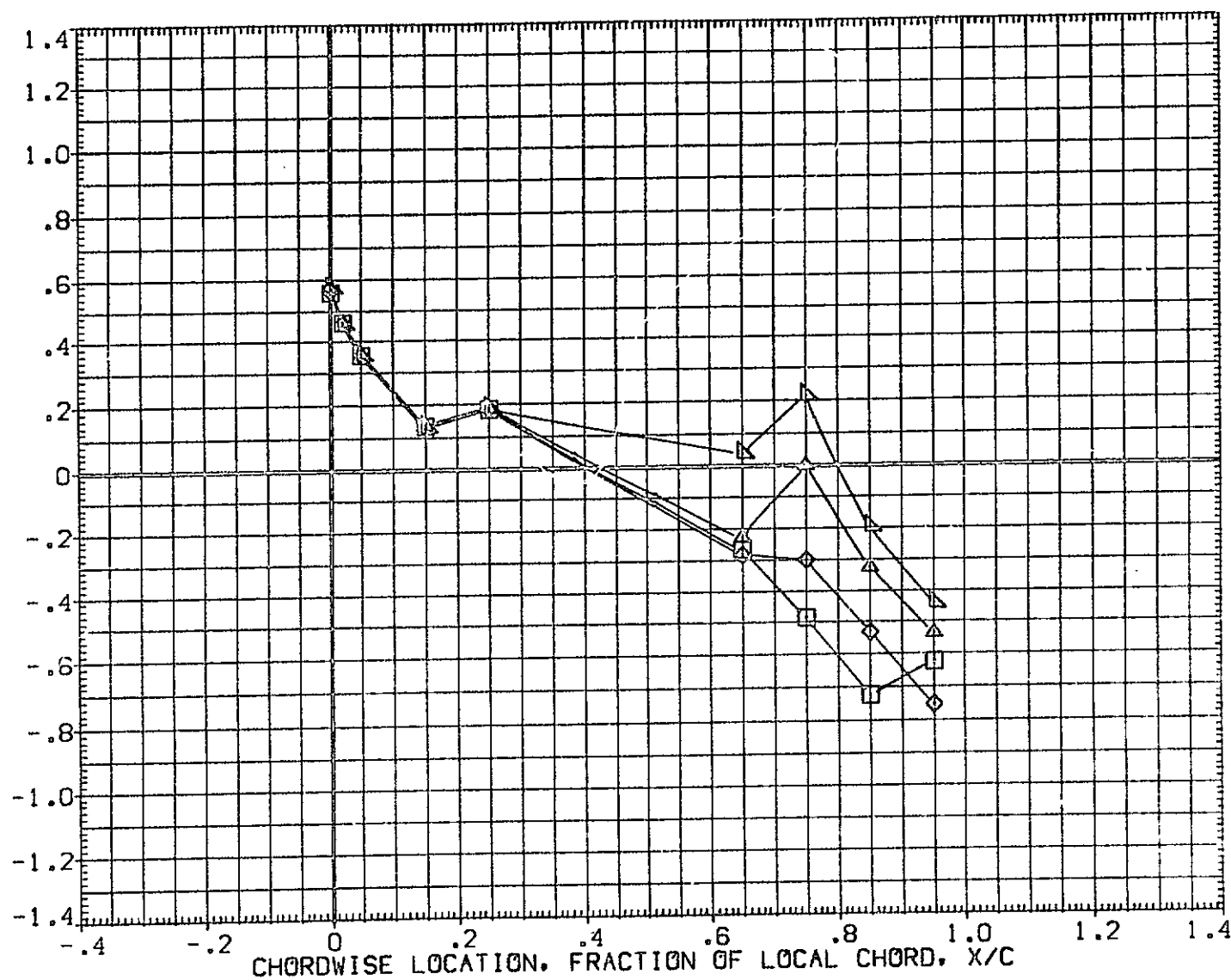


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7L63] DATA NOT AVAILABLE
 [AF7L43] 1A70 01 T12 S1 P2 P8
 [AF7L48] 1A70 01 T12 S1 P2 P8
 [AF7L53] 1A70 01 T12 S1 P2 P8
 [AF7L58] 1A70 01 T12 S1 P2 P8

WING LOWER SURFACE
 WING LOWER SURFACE
 WING LOWER SURFACE
 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

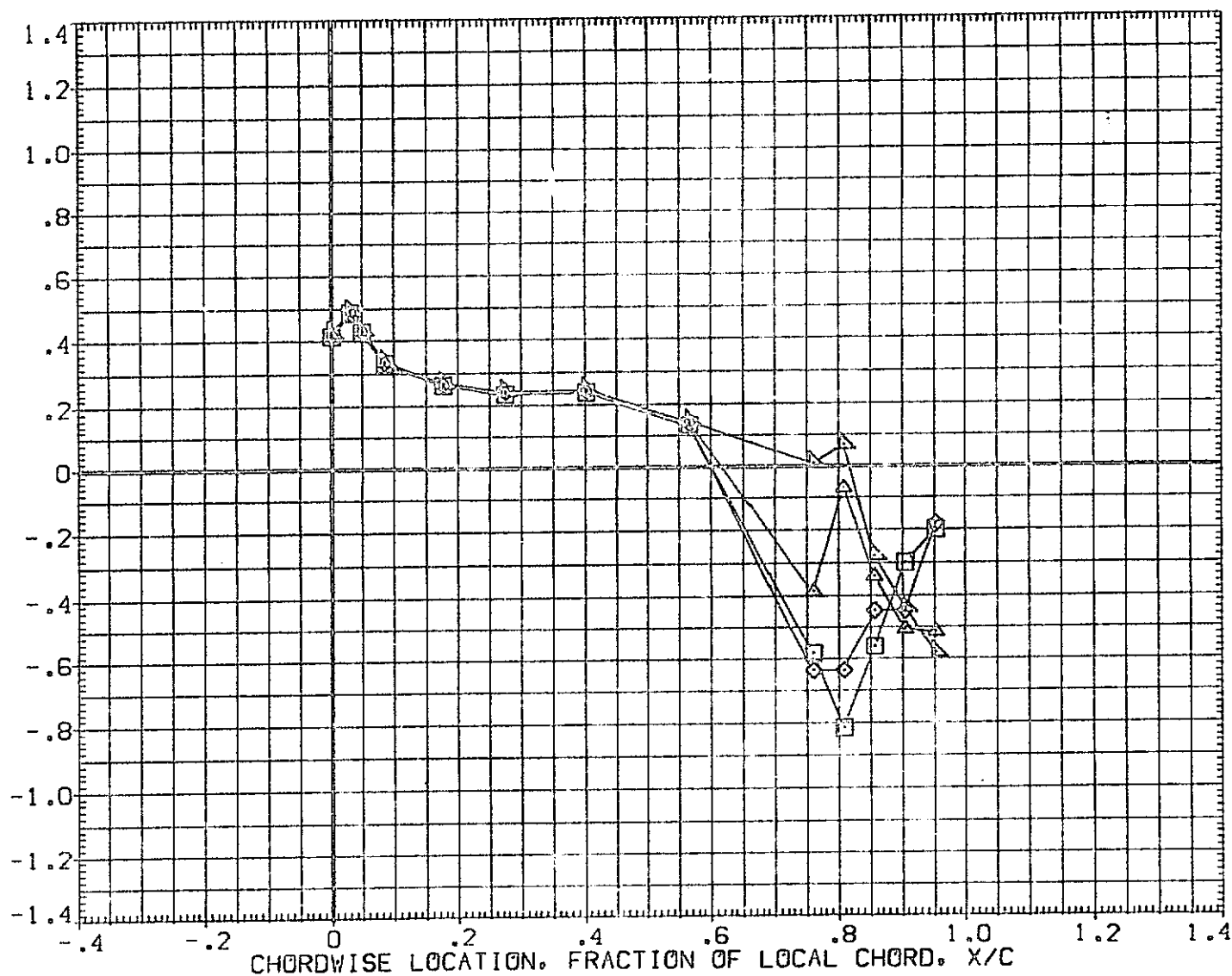


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 8.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	IA70 01 T12 S1 P2 P8
(AF7L48)	IA70 01 T12 S1 P2 P8
(AF7L53)	IA70 01 T12 S1 P2 P8
(AF7L58)	IA70 01 T12 S1 P2 P8

	ELV-1	ELV-2	ELV-3	ELV-4
WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
WING LOWER SURFACE	.000	.000	.000	.000
WING LOWER SURFACE	4.000	4.000	4.000	4.000
WING LOWER SURFACE	8.000	8.000	8.000	8.000
WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

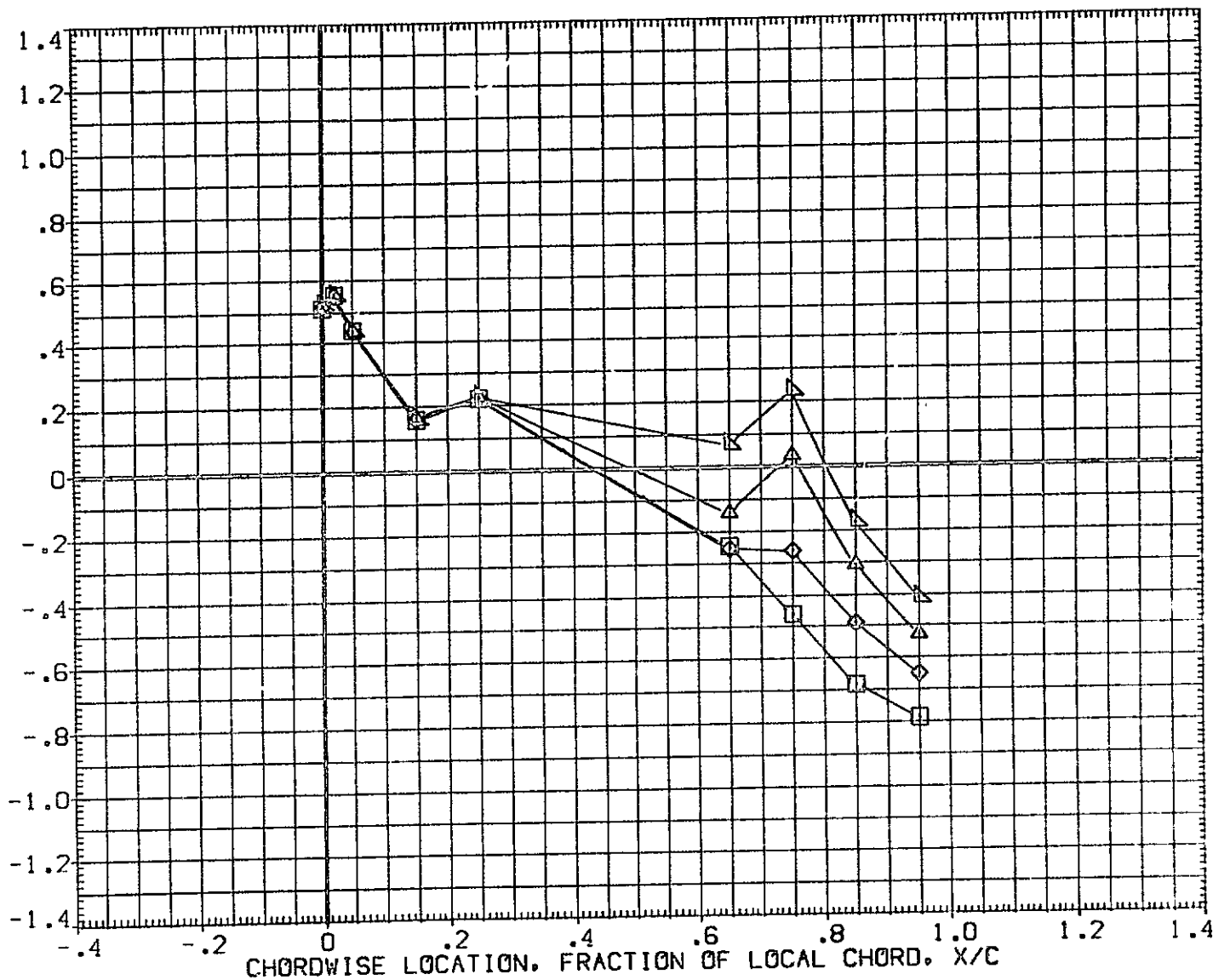


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

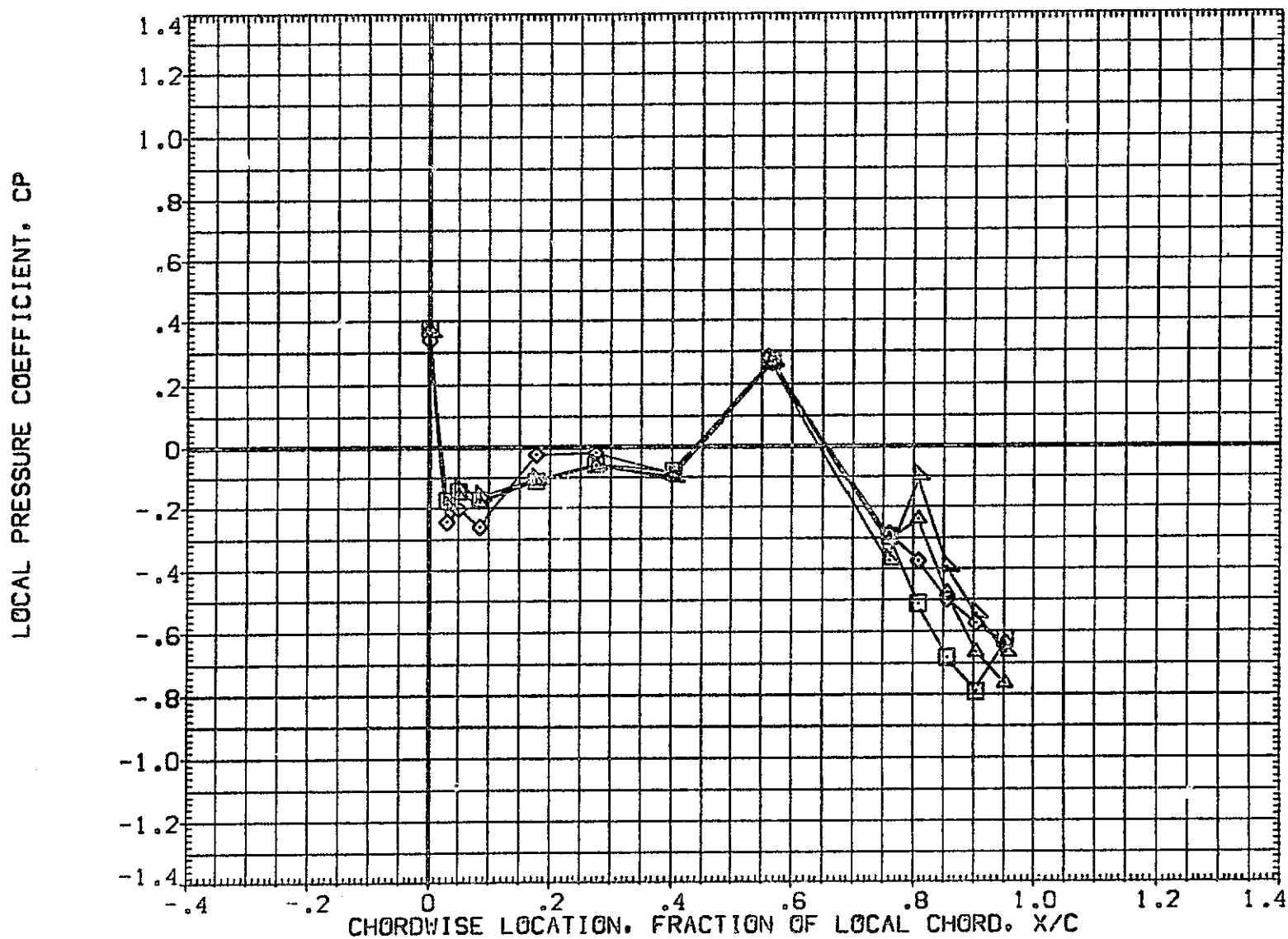


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P3	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P3	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P3	8.000	8.000	8.000	8.000
[AF7L55]	IA70 01 T12 S1 P2 P3	8.000	12.000	12.000	12.000

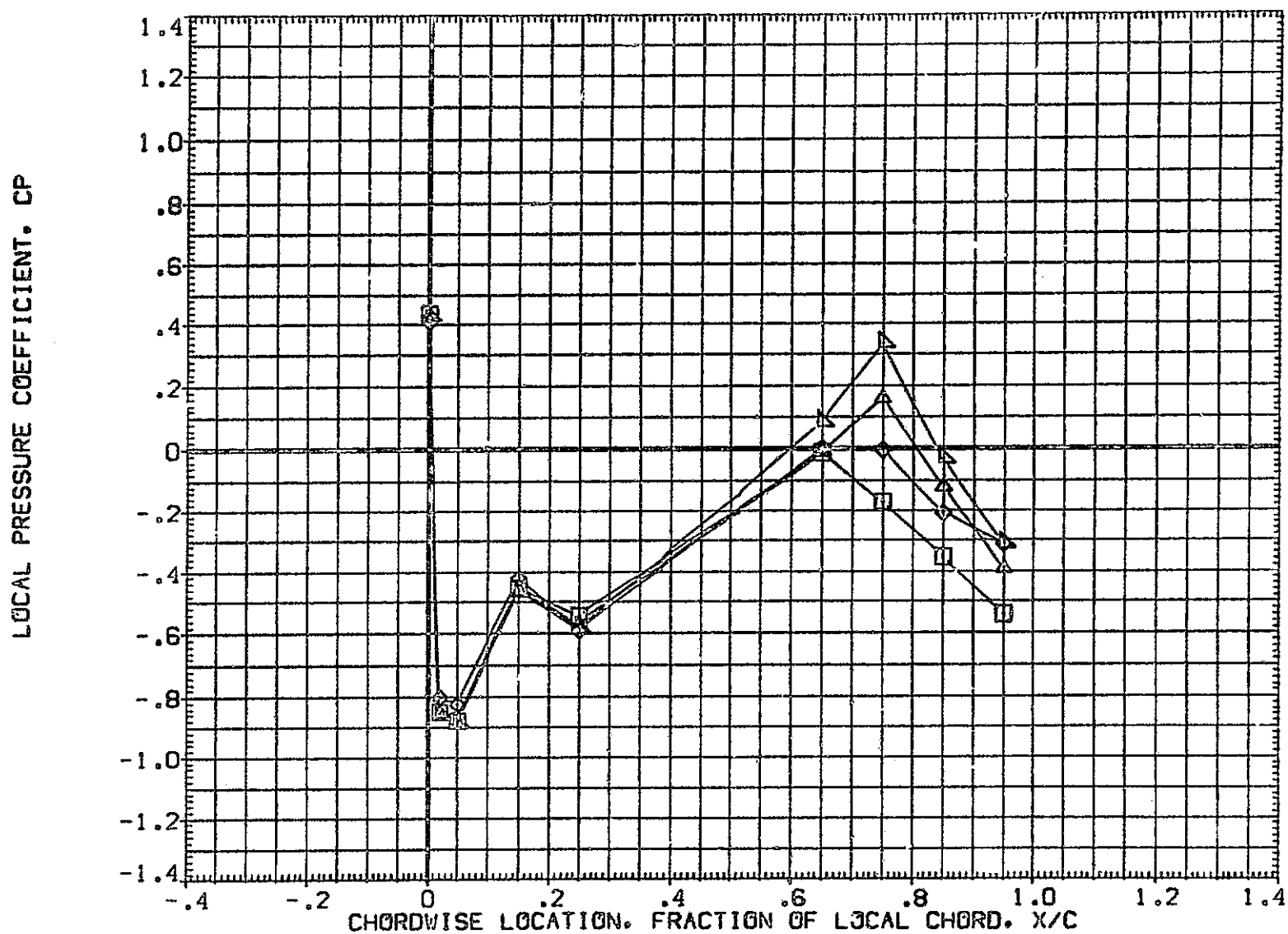


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -8.000 2Y/B = .771



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 F3 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 F8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 F8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 F8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

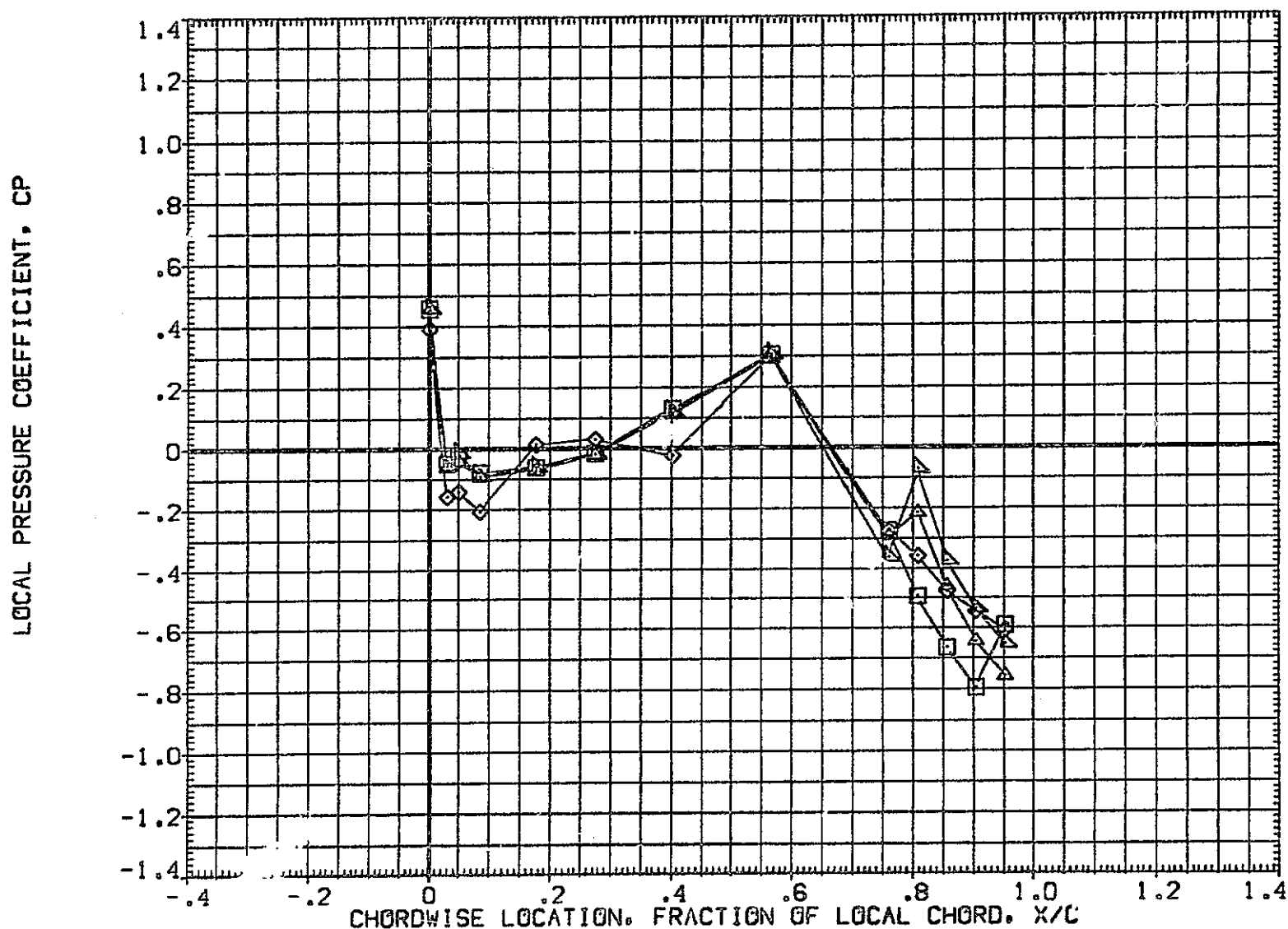


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -6.000 2Y/B = .436 PAGE 289

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7L43}	DATA NOT AVAILABLE	.000	.000	.000	.000
{AF7L48}	DATA NOT AVAILABLE	4.000	4.000	4.000	4.000
{AF7L53}	DATA NOT AVAILABLE	8.000	8.000	8.000	8.000
{AF7L58}	DATA NOT AVAILABLE	12.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

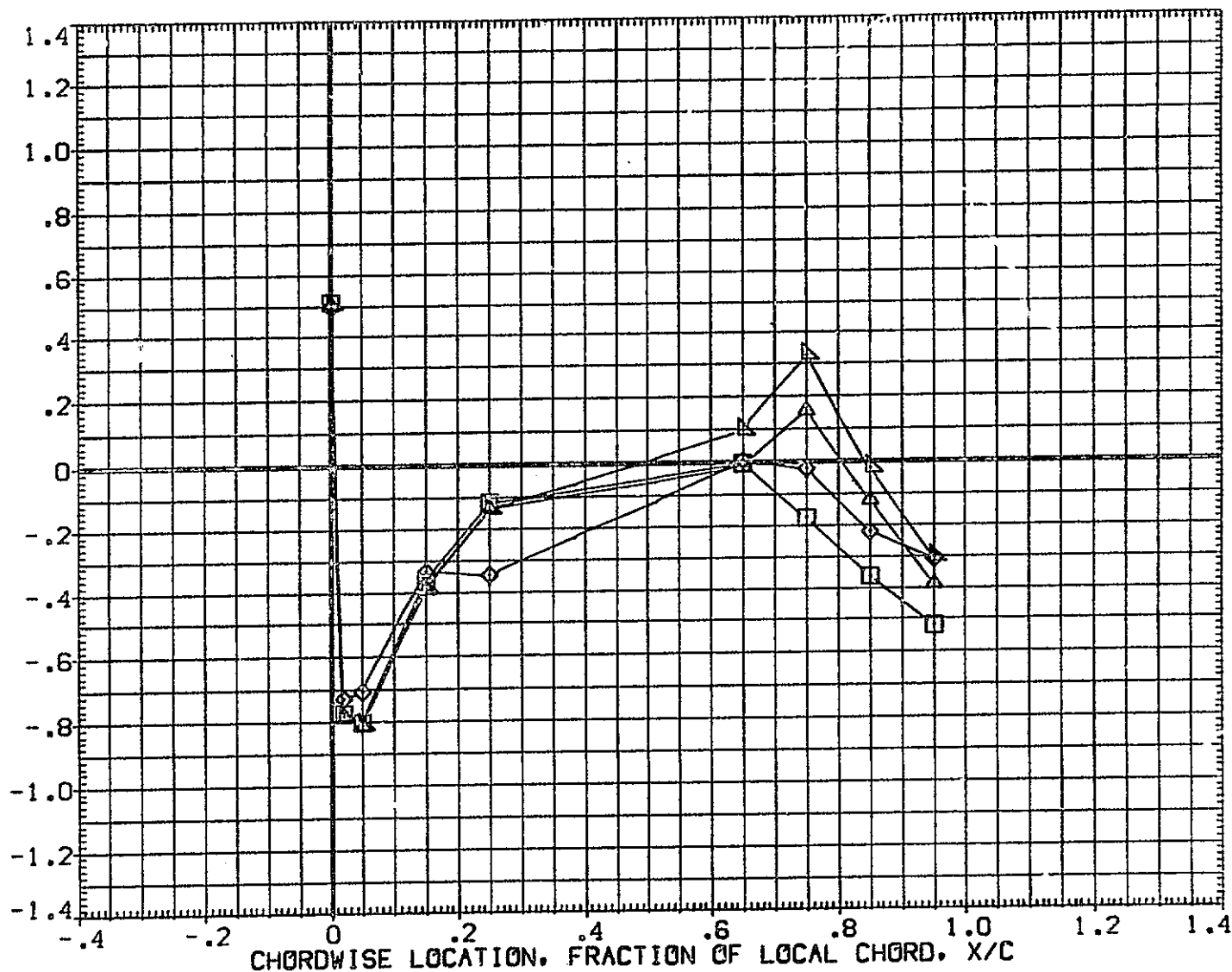


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L58]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

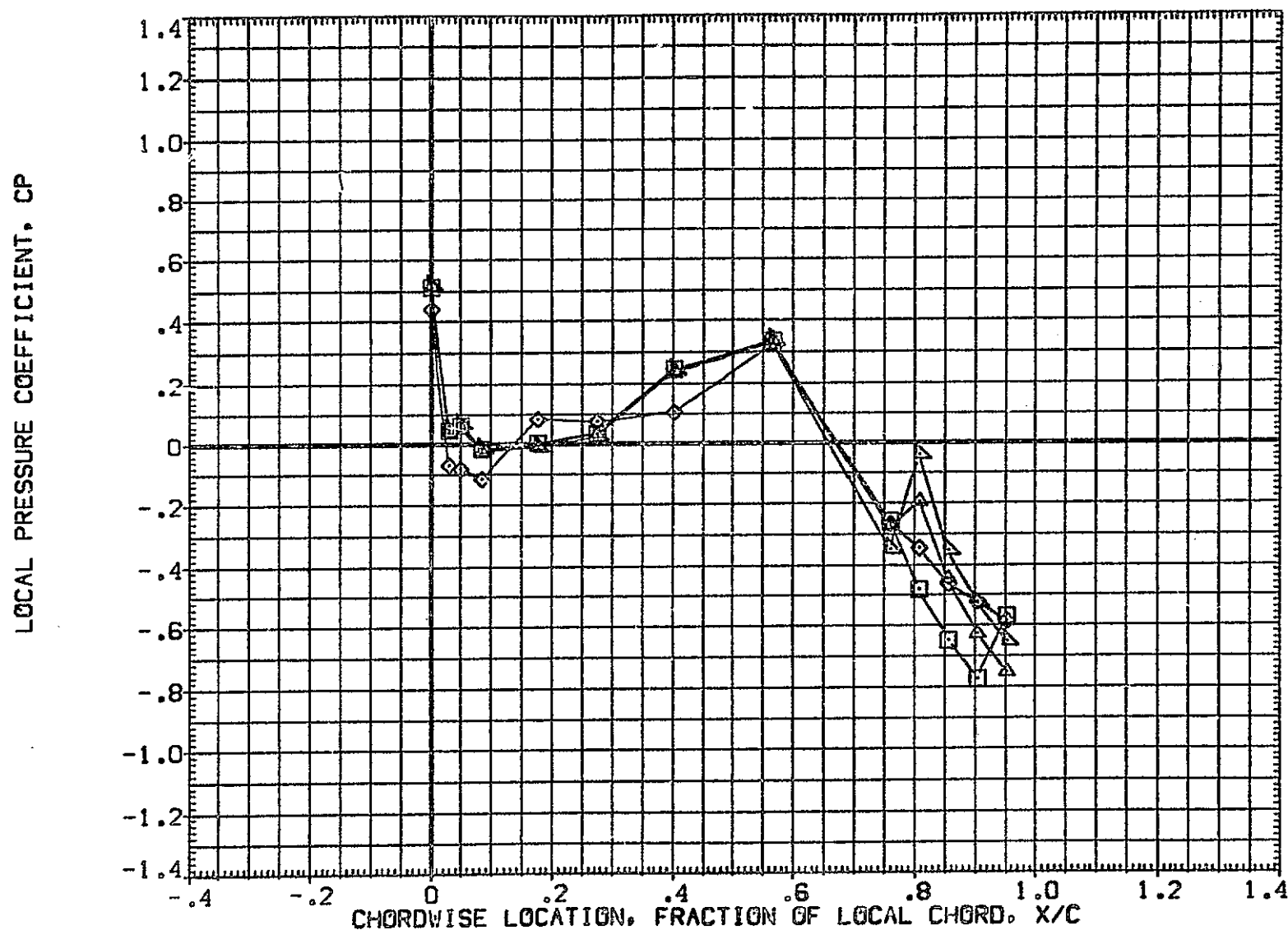


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	IA70 01 T12 SI P2 P8
[AF7L48]	IA70 01 T12 SI P2 P8
[AF7L53]	IA70 01 T12 SI P2 P8
[AF7L58]	IA70 01 T12 SI P2 P8

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

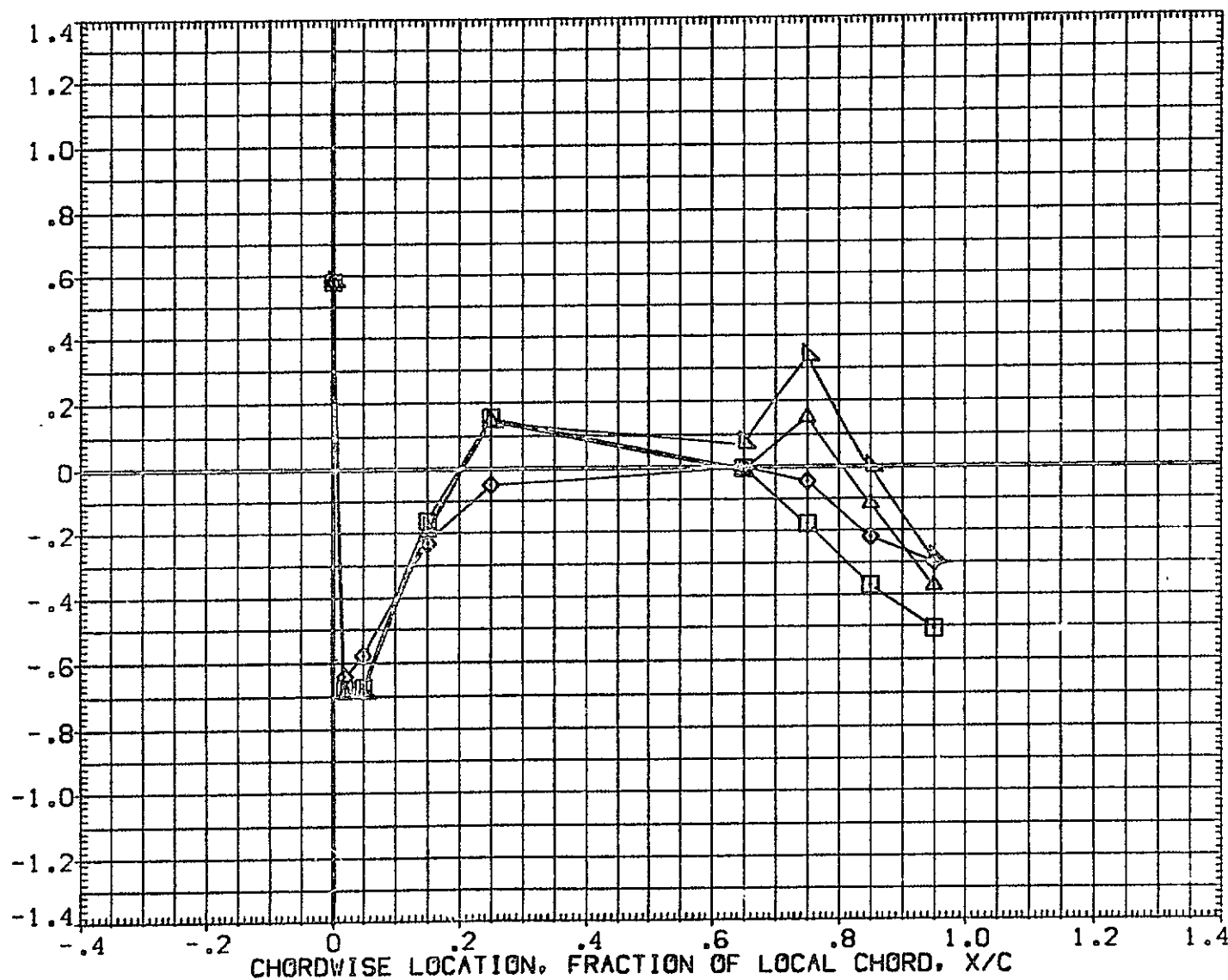


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -4.000 2Y/B = .771

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

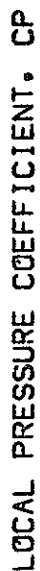


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$

MACH = 1.120 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 F0	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 F0	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 F0	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 F0	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

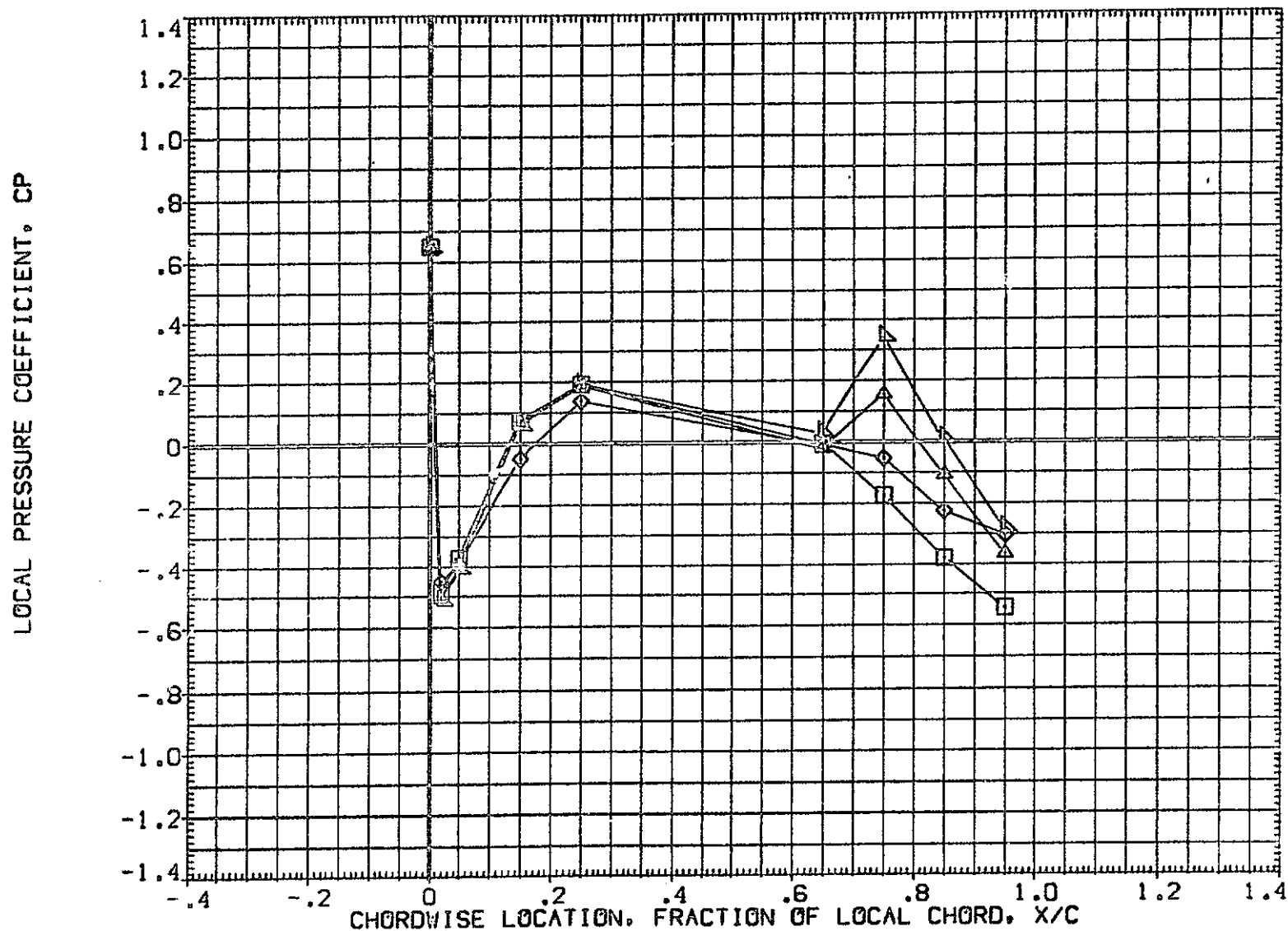


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	1A70 01 T12 S1 P2 P8
[AF7L48]	1A70 01 T12 S1 P2 P8
[AF7L53]	1A70 01 T12 S1 P2 P8
[AF7L58]	1A70 01 T12 S1 P2 P8

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

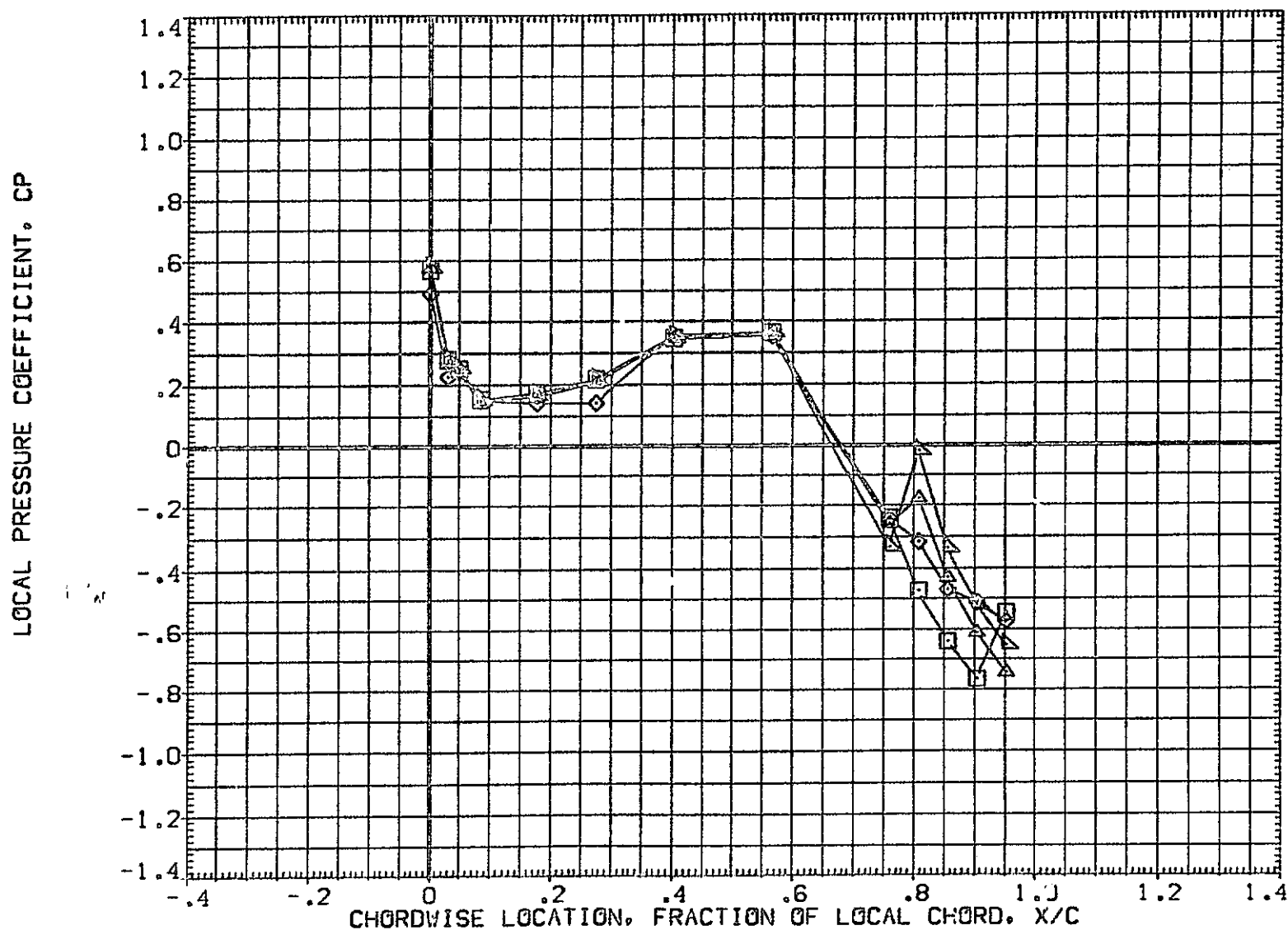


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

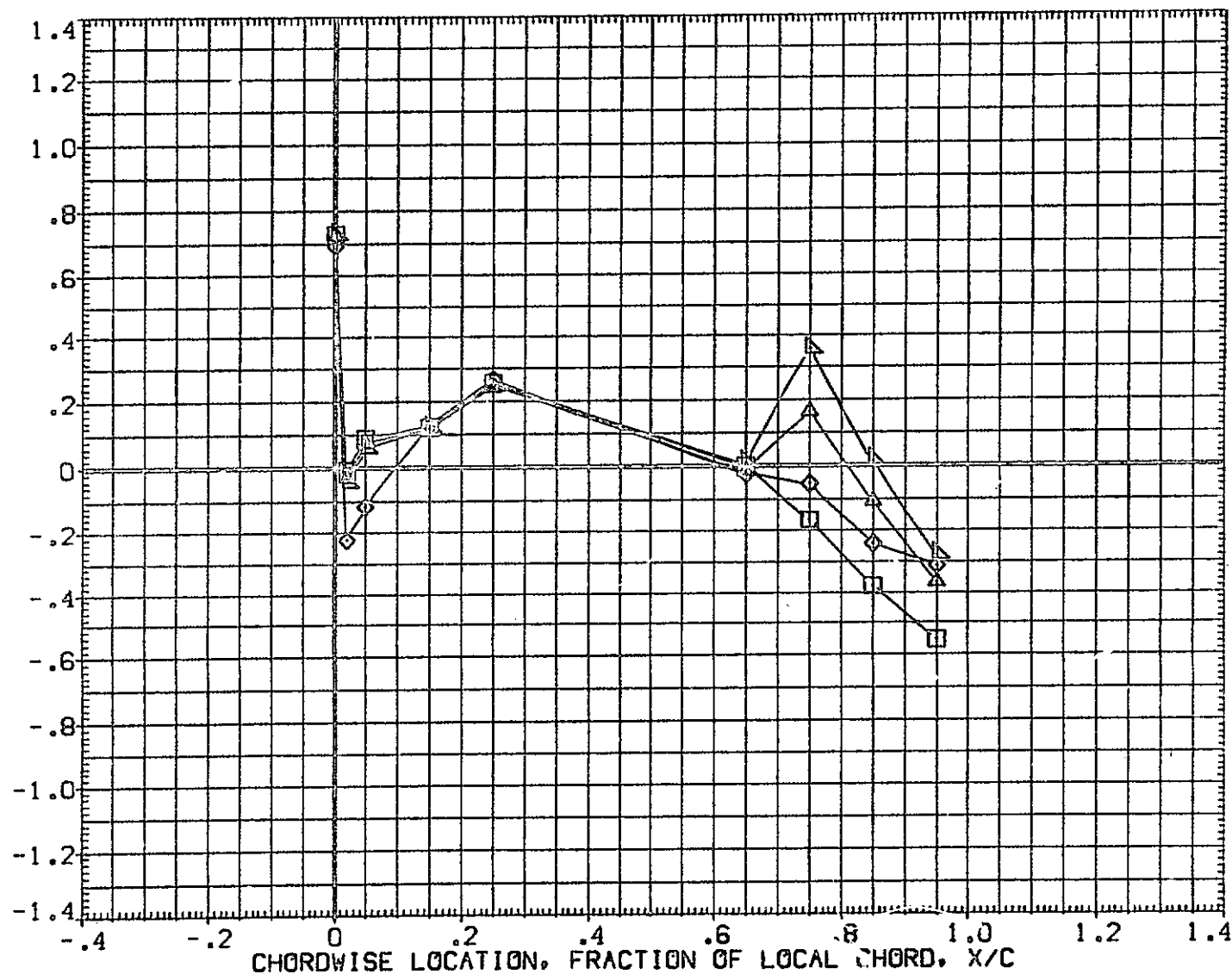


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = .000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

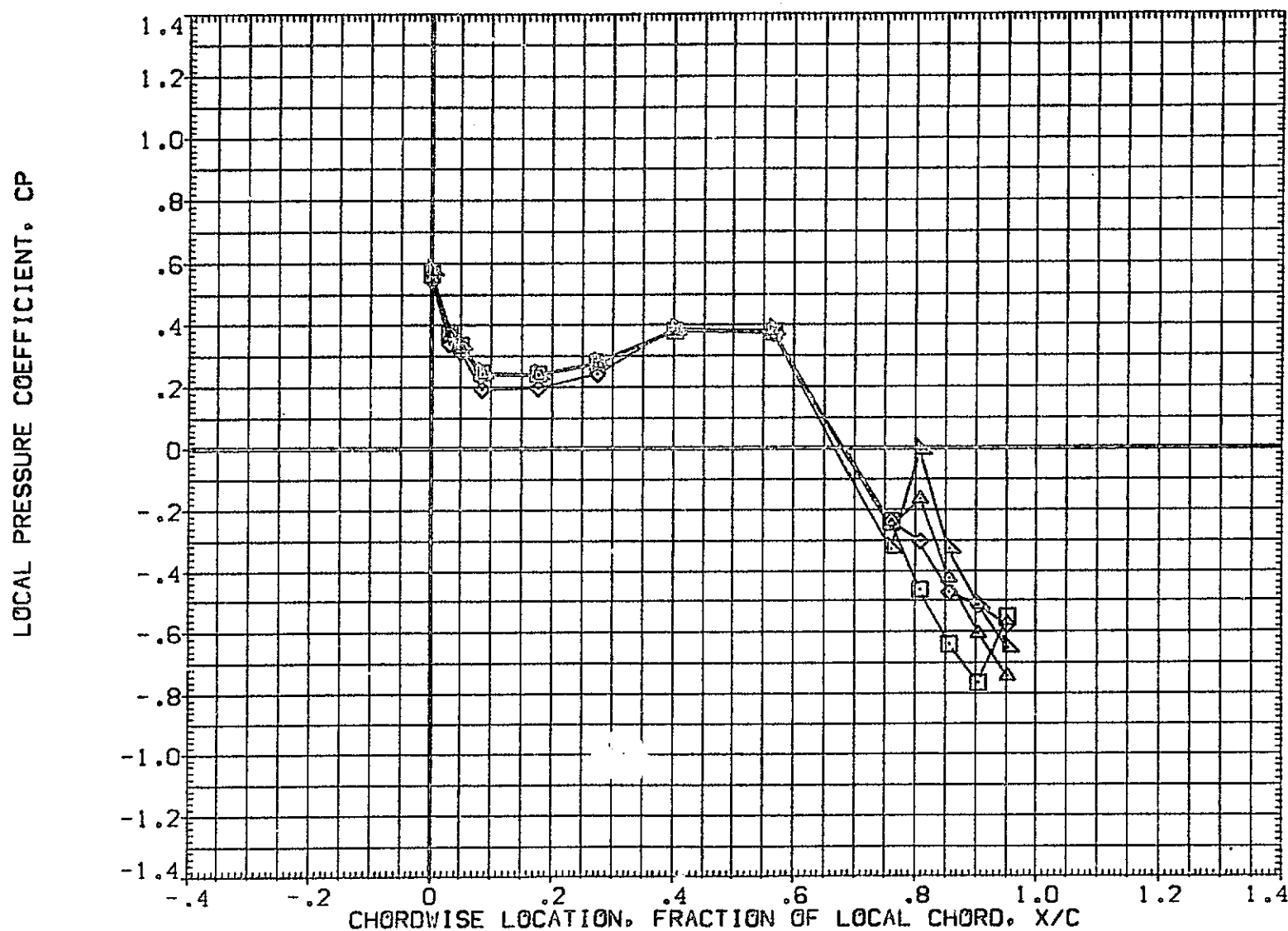


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P0	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P0	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P0	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P0	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

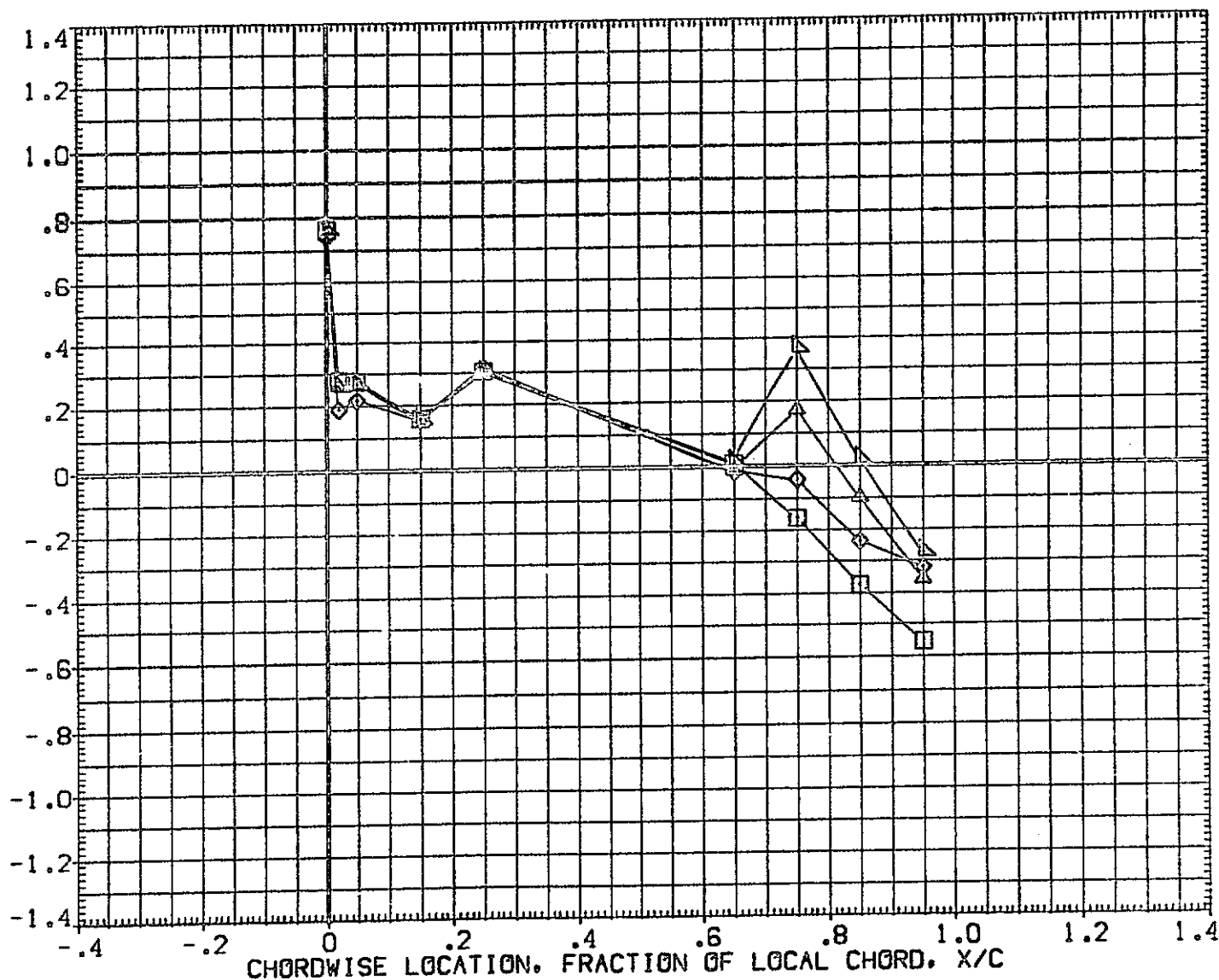


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 2.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P3	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P3	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P3	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P3	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				

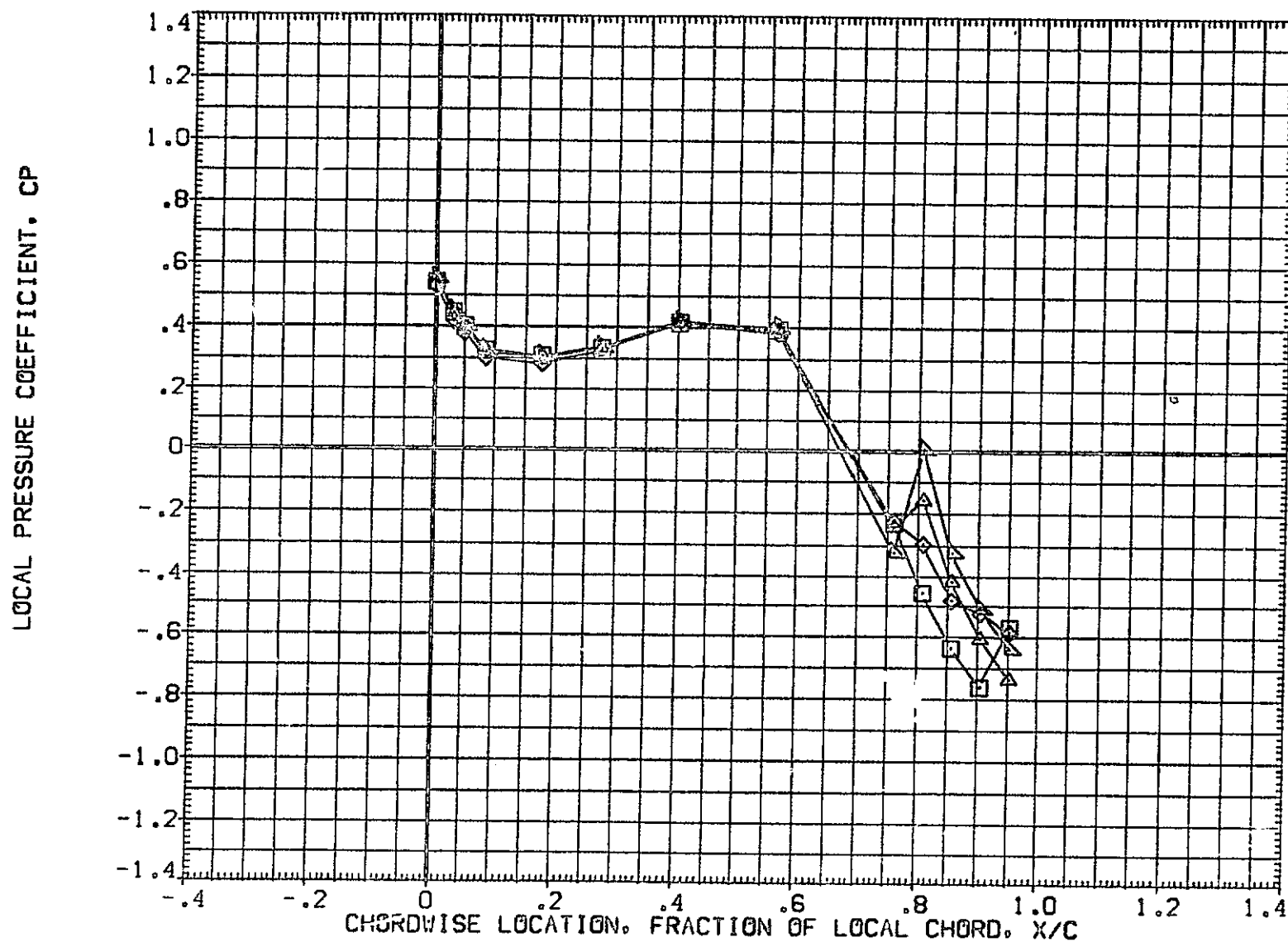


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	IA70 01 T12 S1 P2 F0
[AF7L48]	IA70 01 T12 S1 P2 F0
[AF7L53]	IA70 01 T12 S1 P2 F0
[AF7L59]	IA70 01 T12 S1 P2 F0

	ELV-1	ELV-2	ELV-3	ELV-4
WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
WING LOWER SURFACE	.000	.000	.000	.000
WING LOWER SURFACE	4.000	4.000	4.000	4.000
WING LOWER SURFACE	8.000	8.000	8.000	8.000
WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

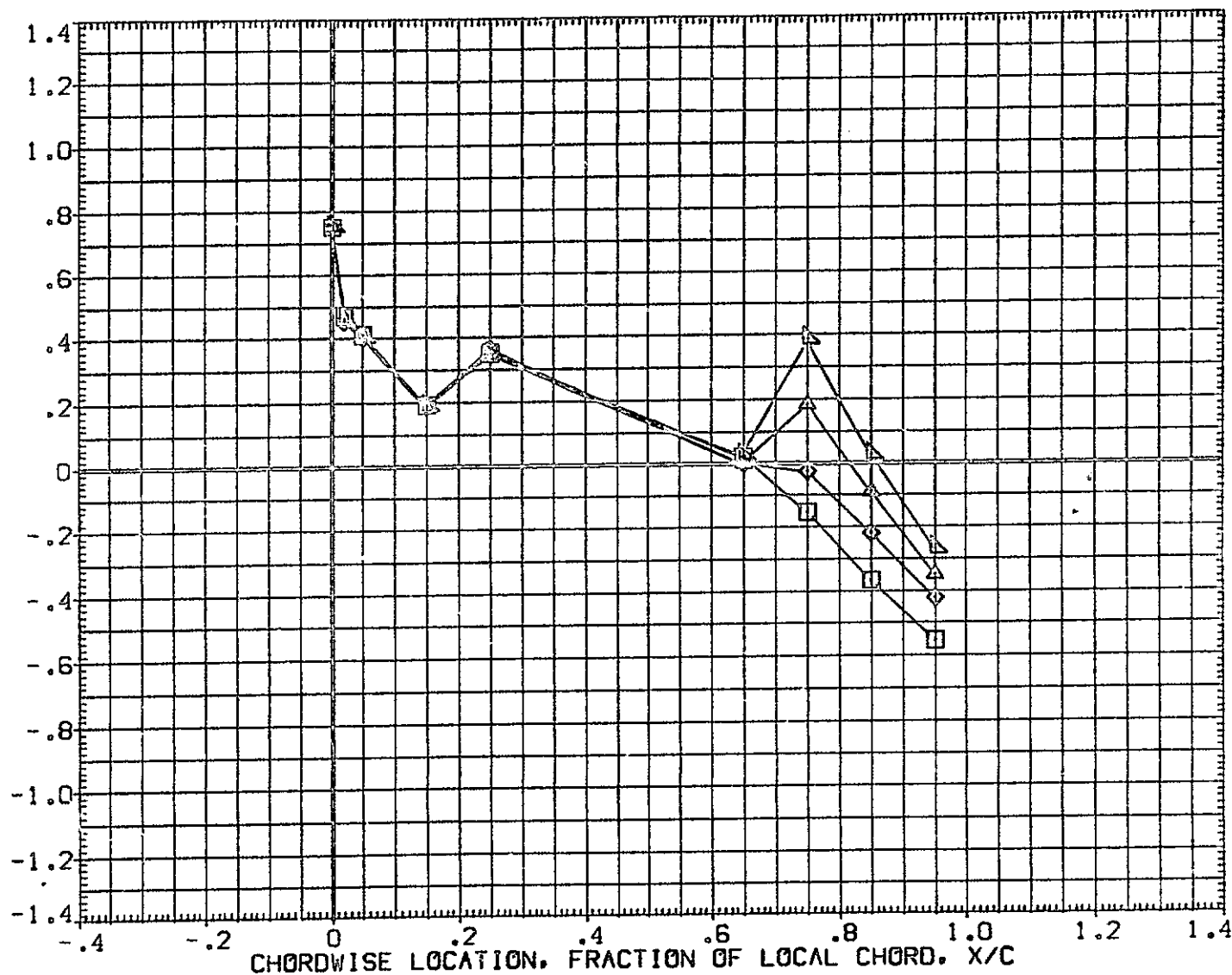


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 4.000 2Y/B = .771



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7L43}	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
{AF7L45}	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{AF7L53}	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{AF7L58}	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

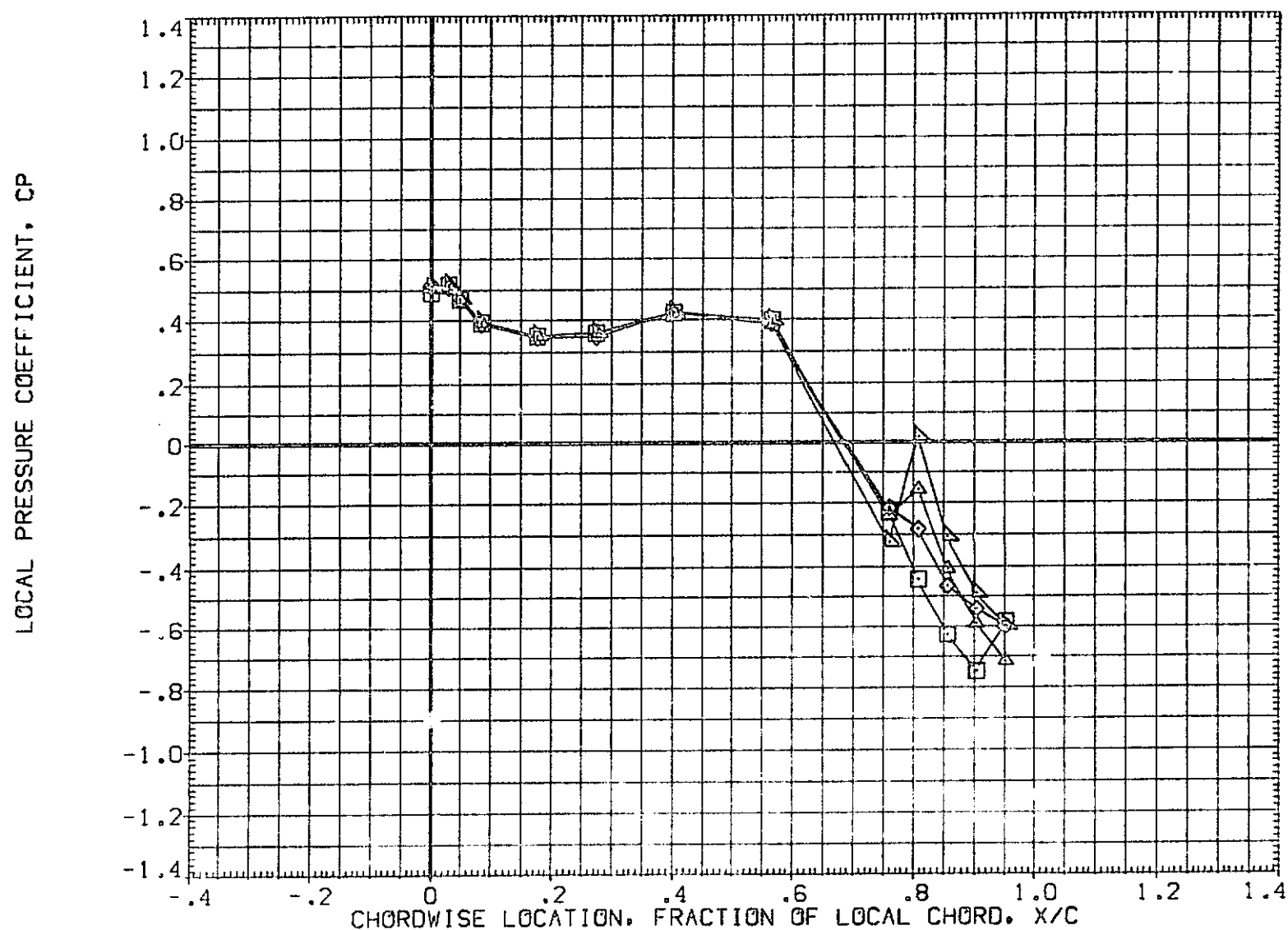


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 6.000 2Y/B = .436 PAGE 301

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L58]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

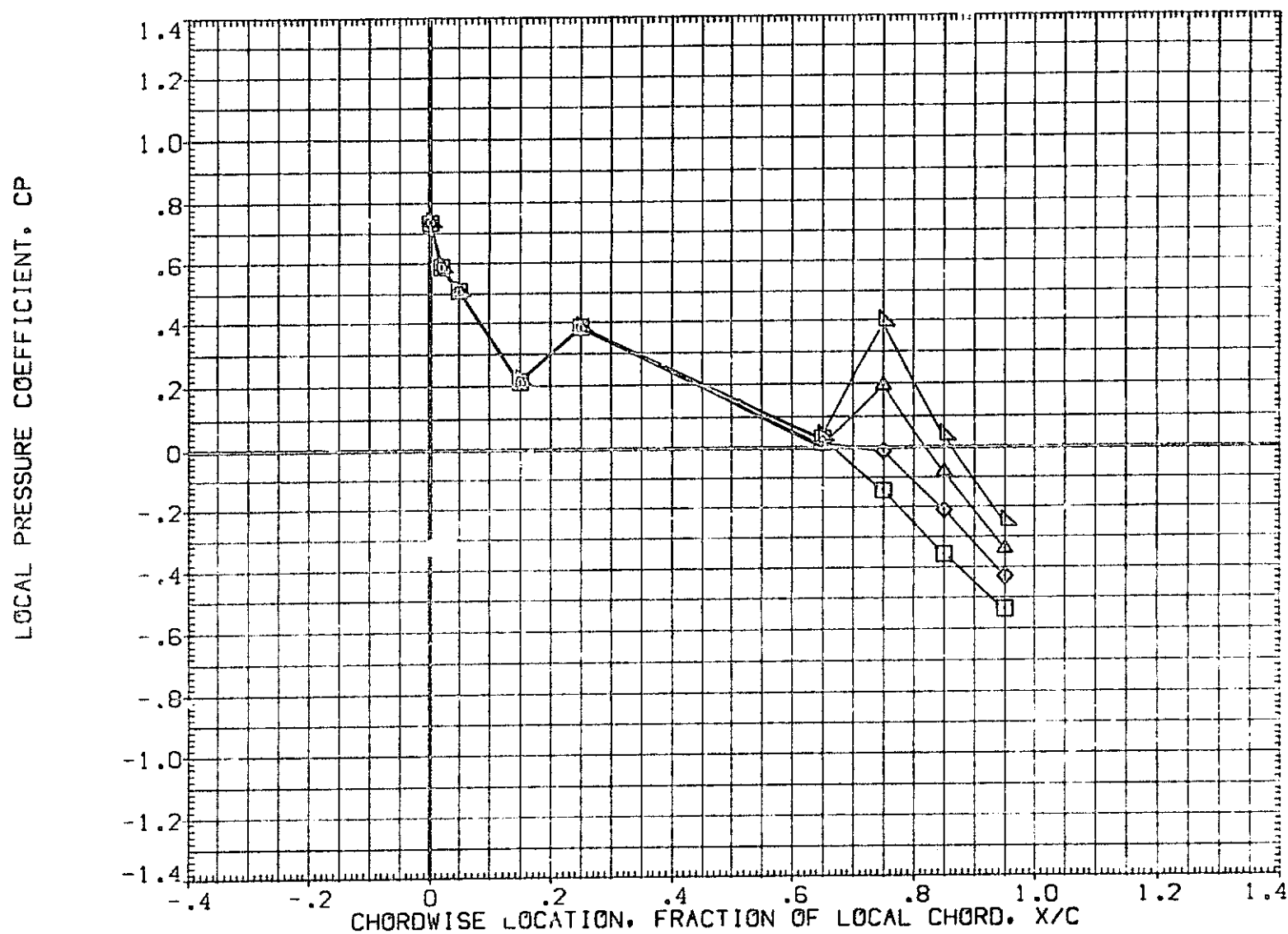


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 6.000 2Y/B .771 PAGE 302

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7L43}	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
{AF7L48}	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{AF7L53}	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{AF7L58}	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

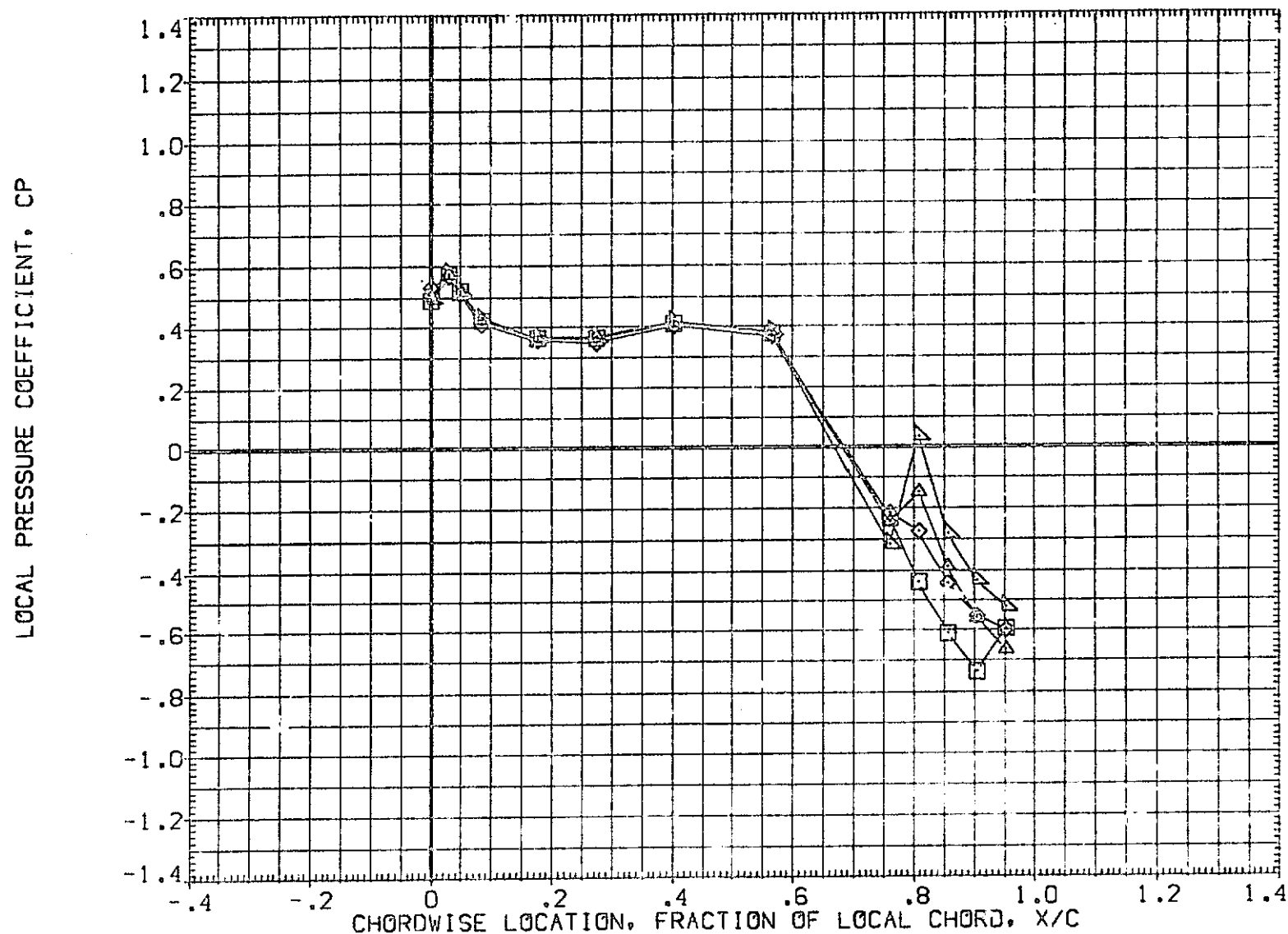


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 8.000 2Y/B = .436 PAGE 303

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

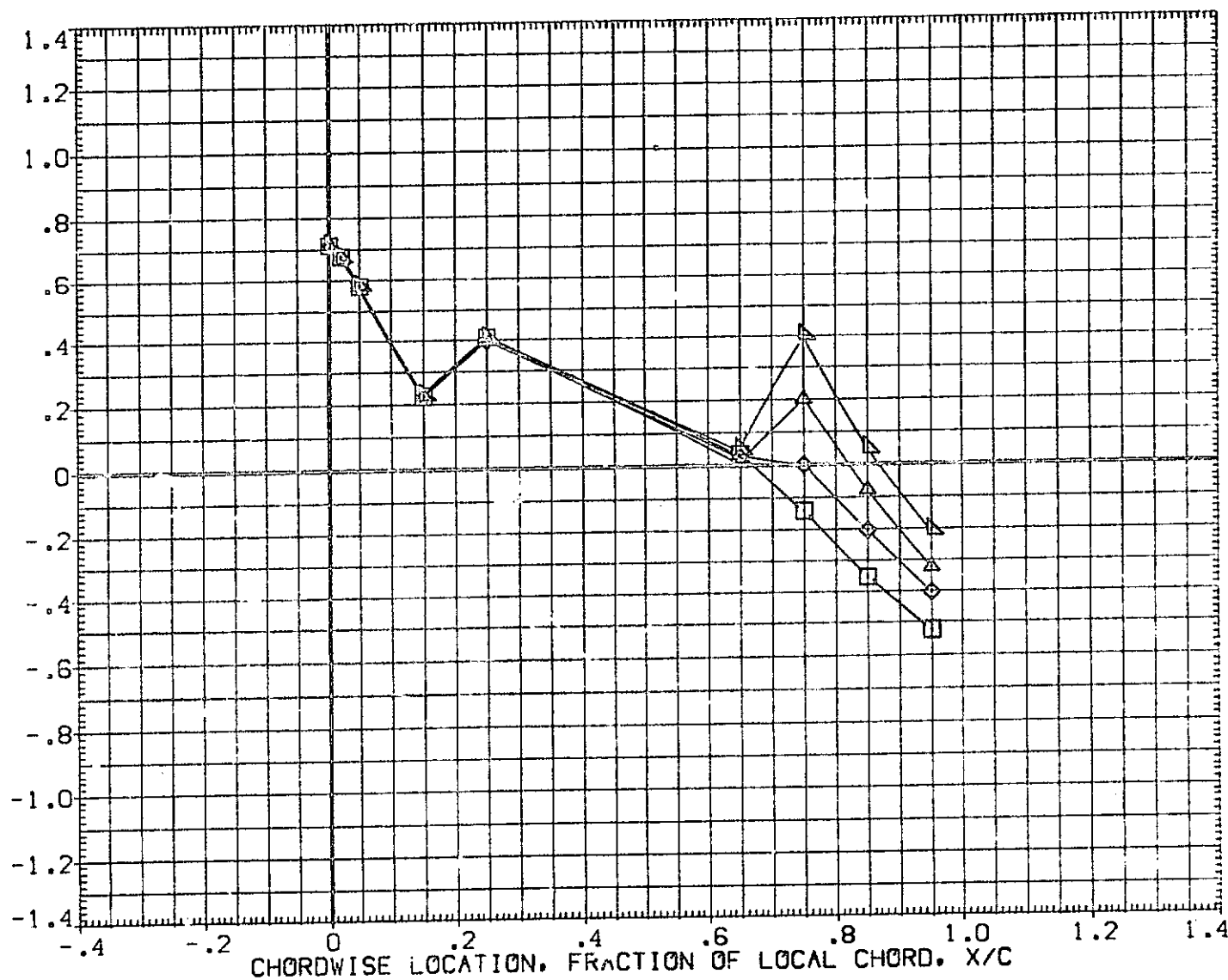


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 8.000 2Y/B = .771 PAGE 304

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

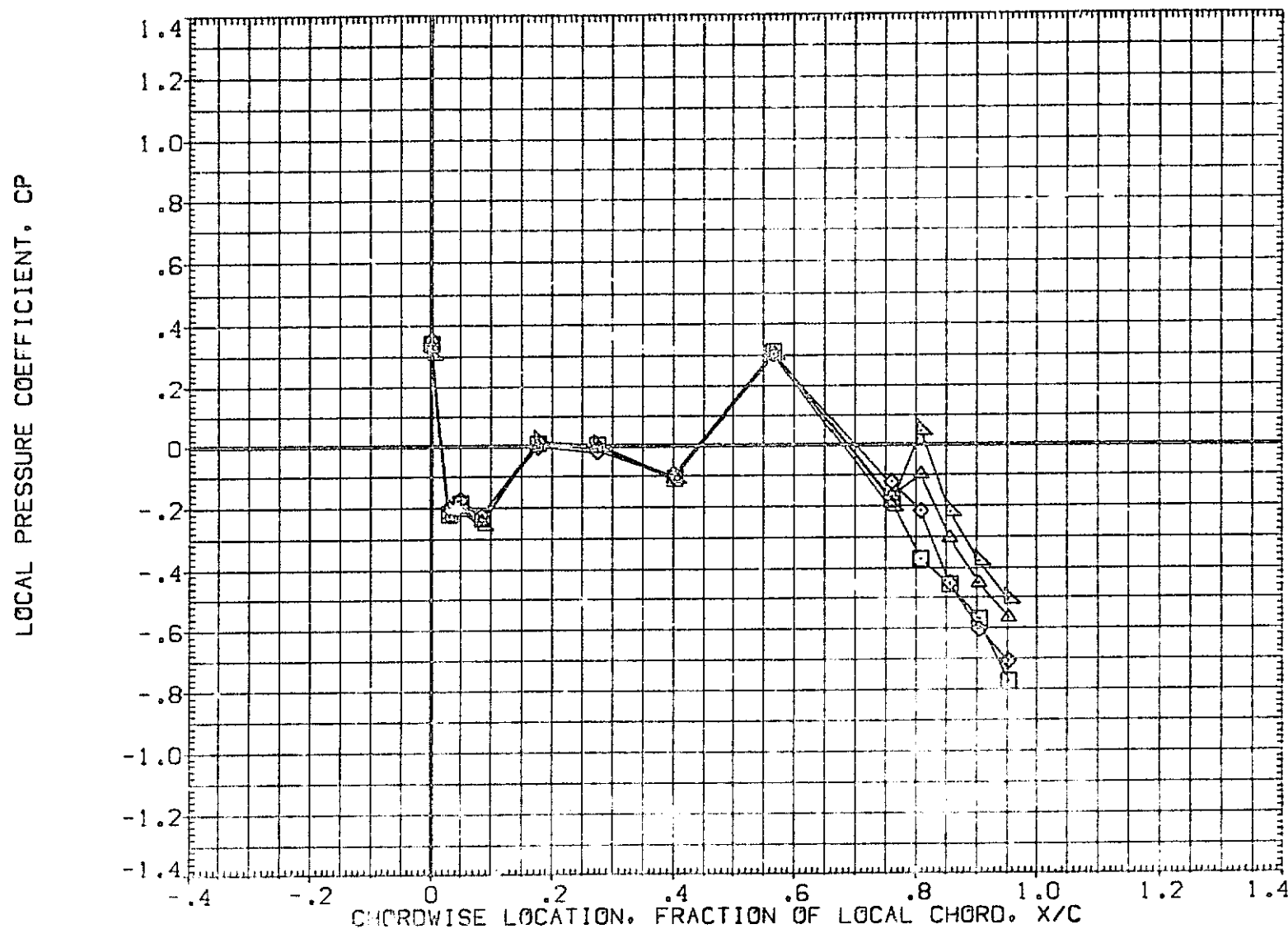


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

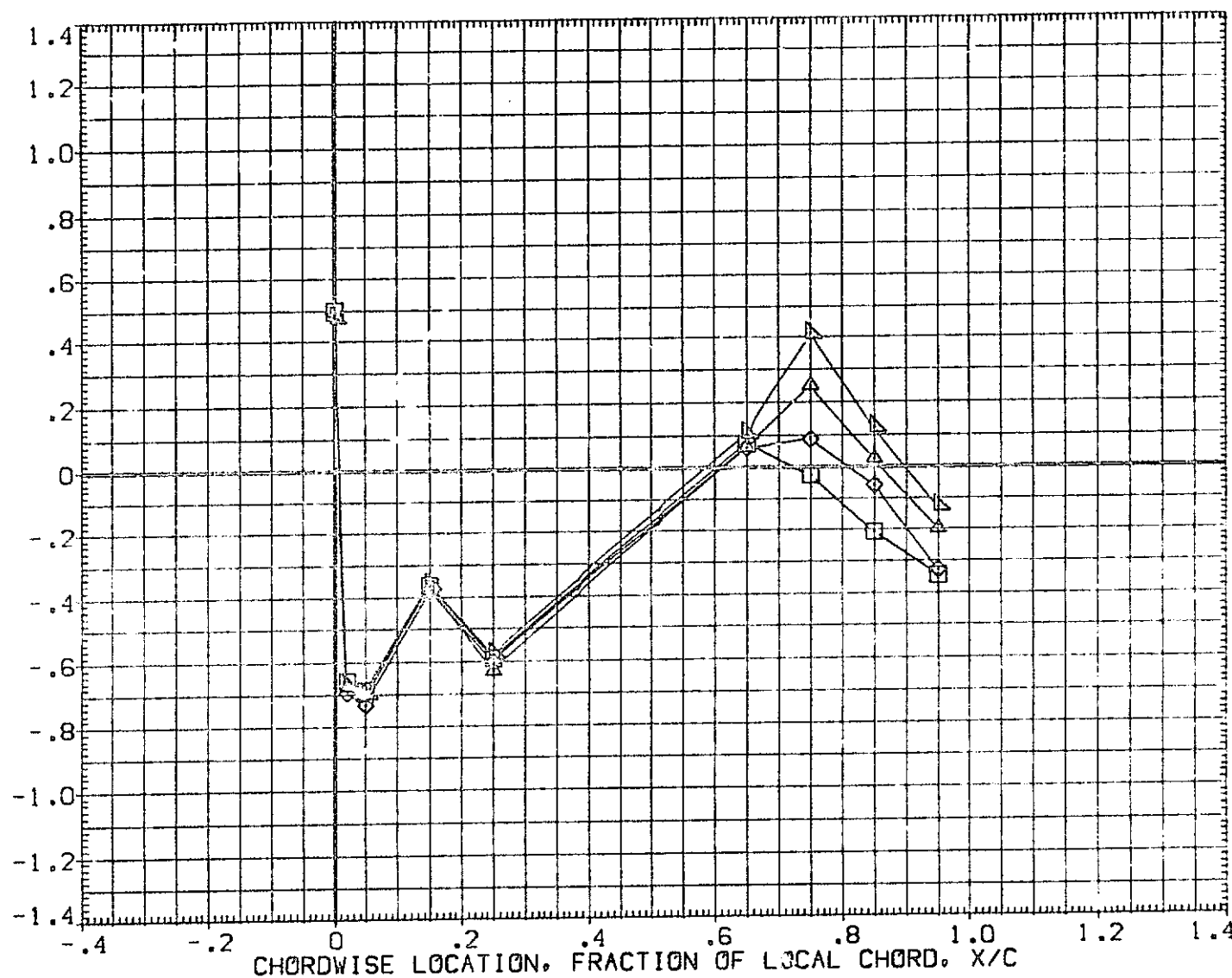


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

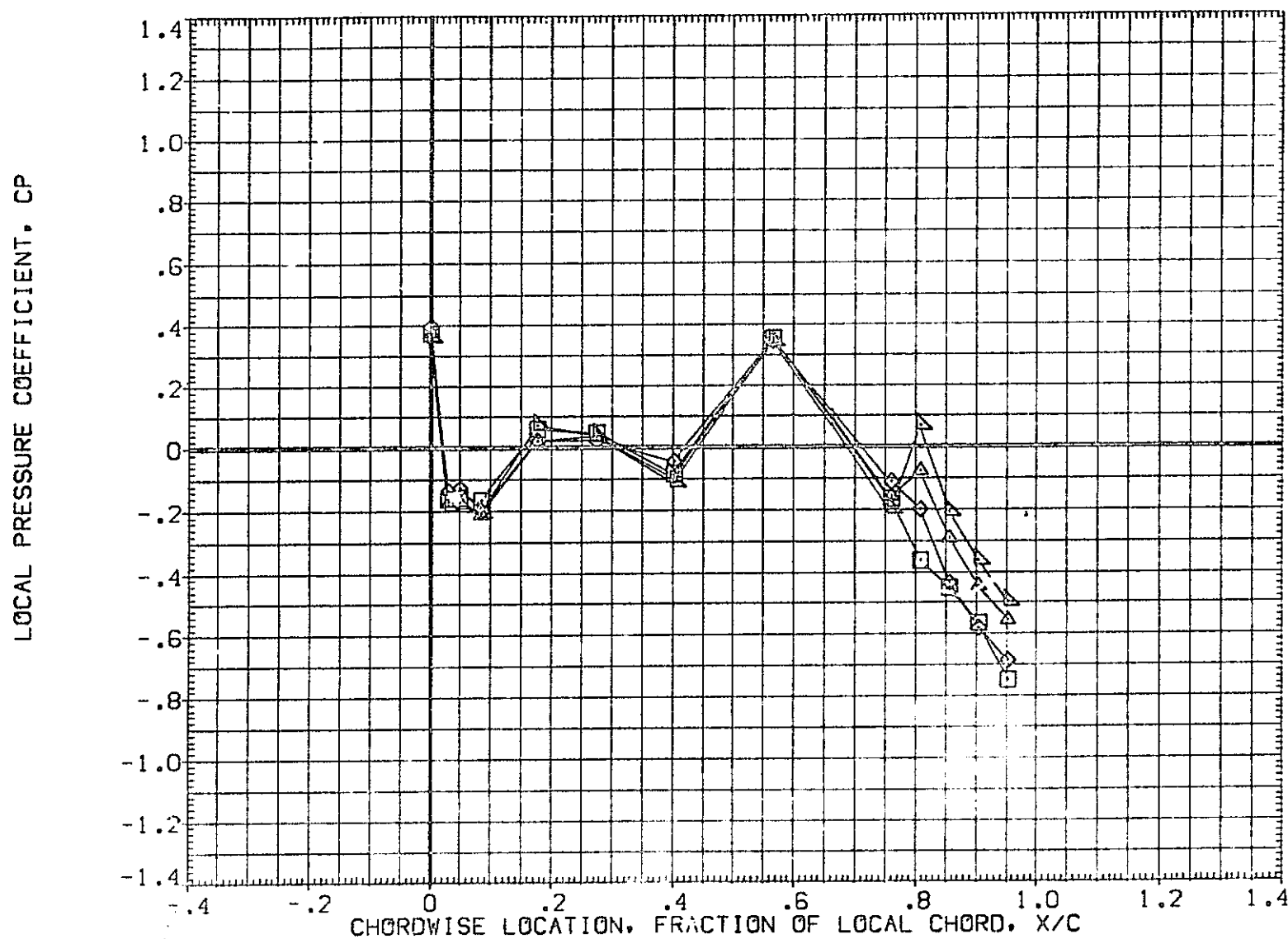


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				

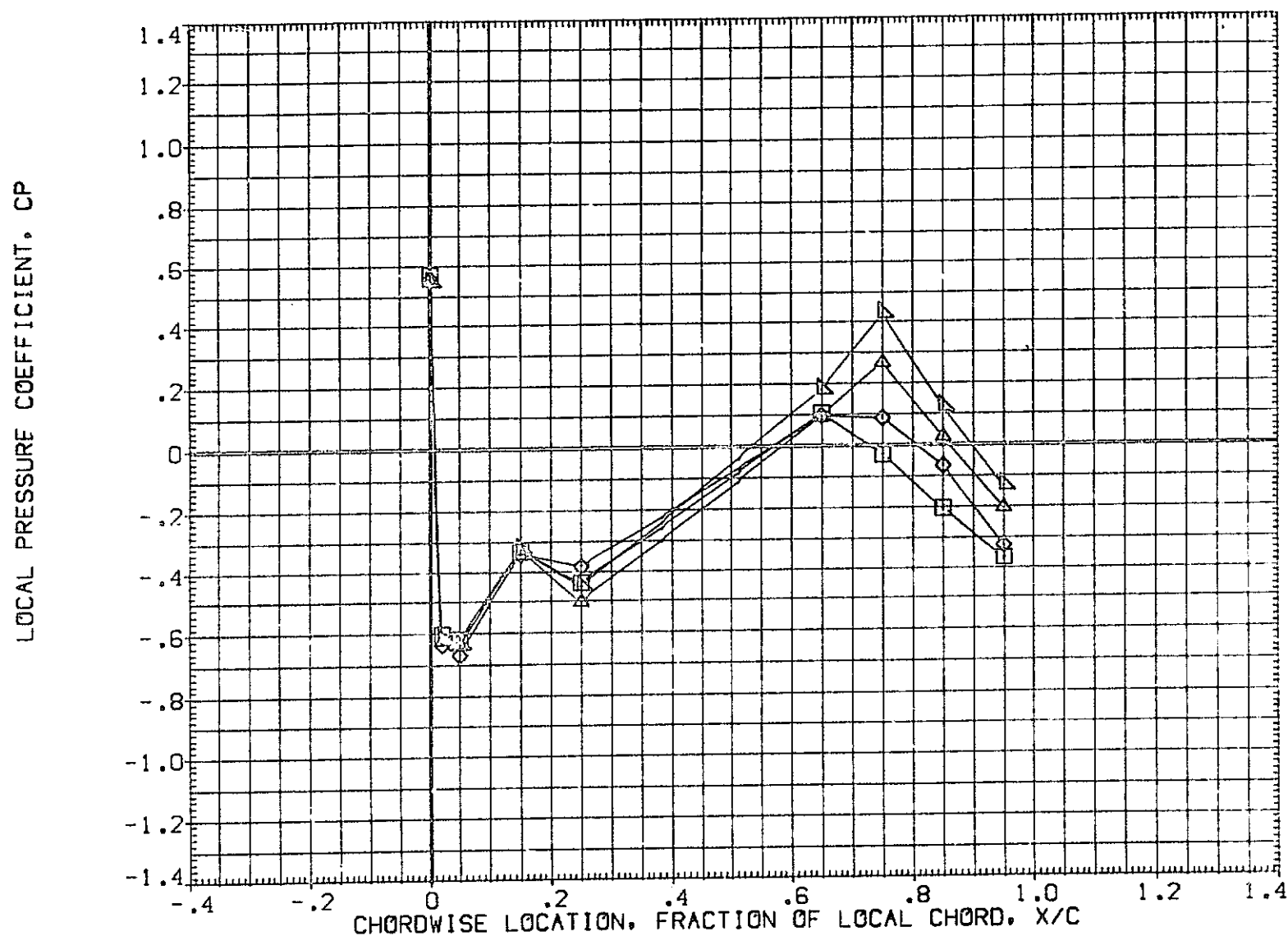


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -6.000 2Y/B = .771 PAGE 308

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

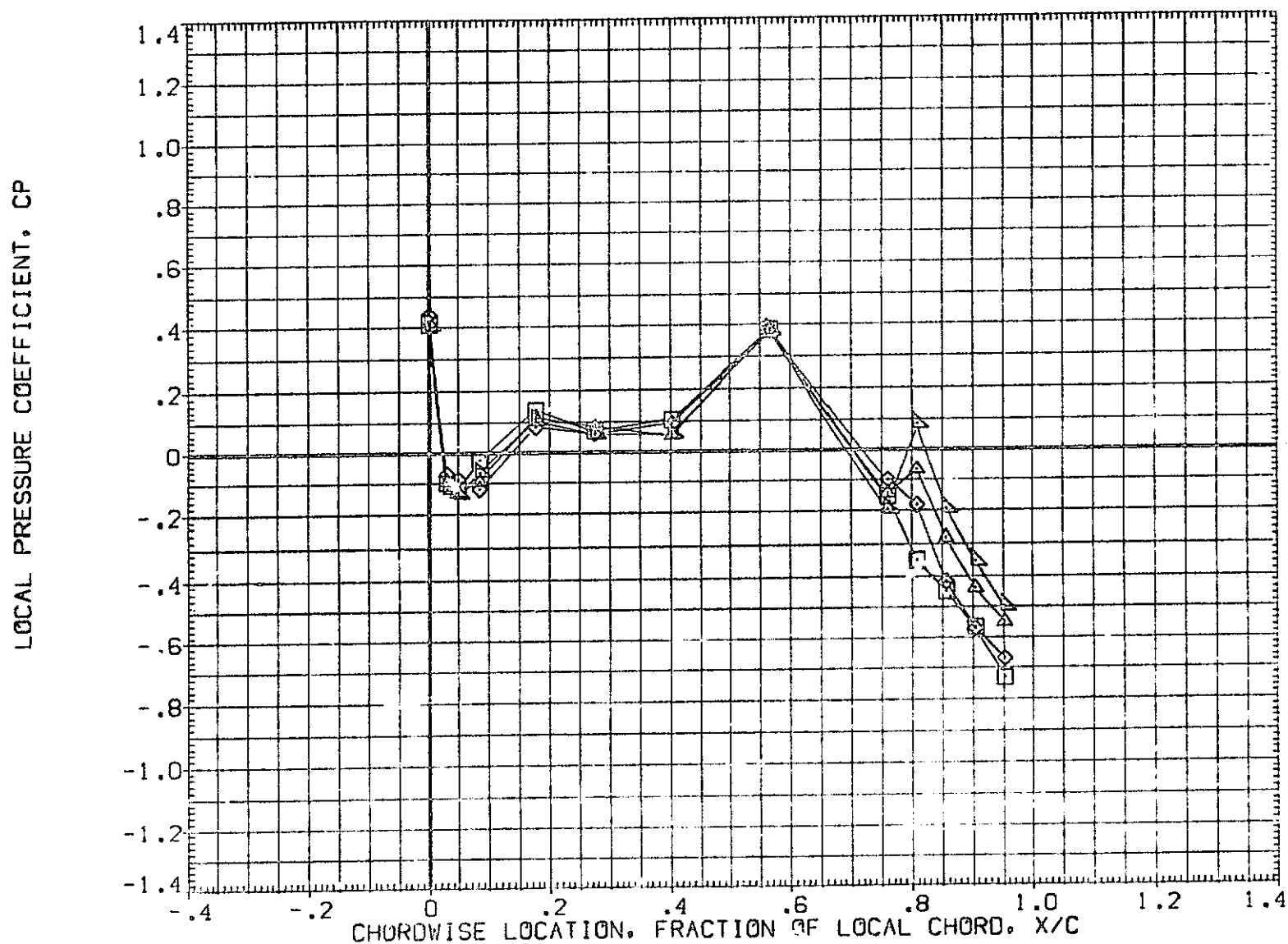


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -1.000 2Y/B = .436

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7L63) DATA NOT AVAILABLE

(AF7L43) 1A70 01 T12 S1 P2 P8

(AF7L48) 1A70 01 T12 S1 P2 P8

(AF7L53) 1A70 01 T12 S1 P2 P8

(AF7L58) 1A70 01 T12 S1 P2 P8

WING LOWER SURFACE
WING LOWER SURFACE
WING LOWER SURFACE
WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

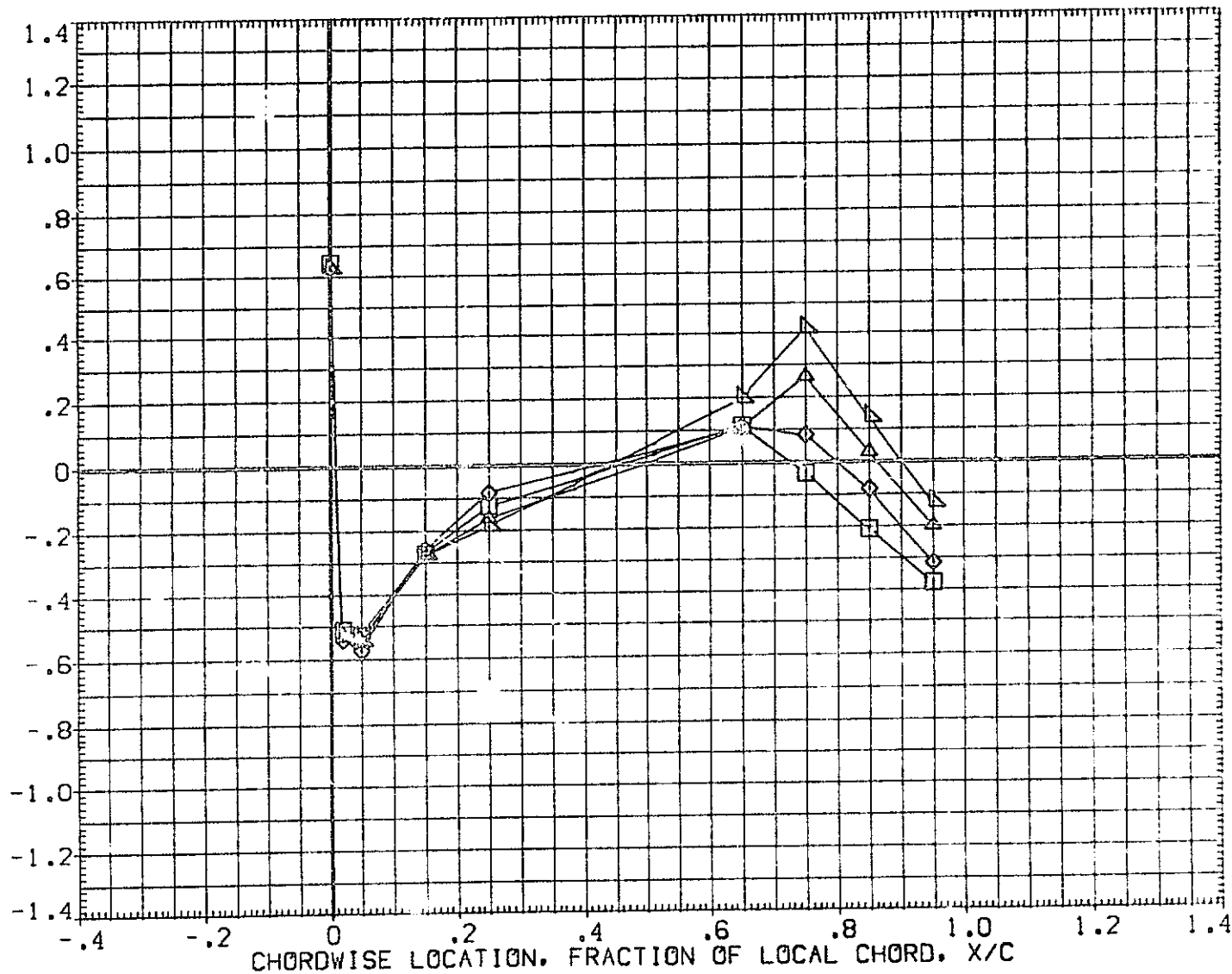


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

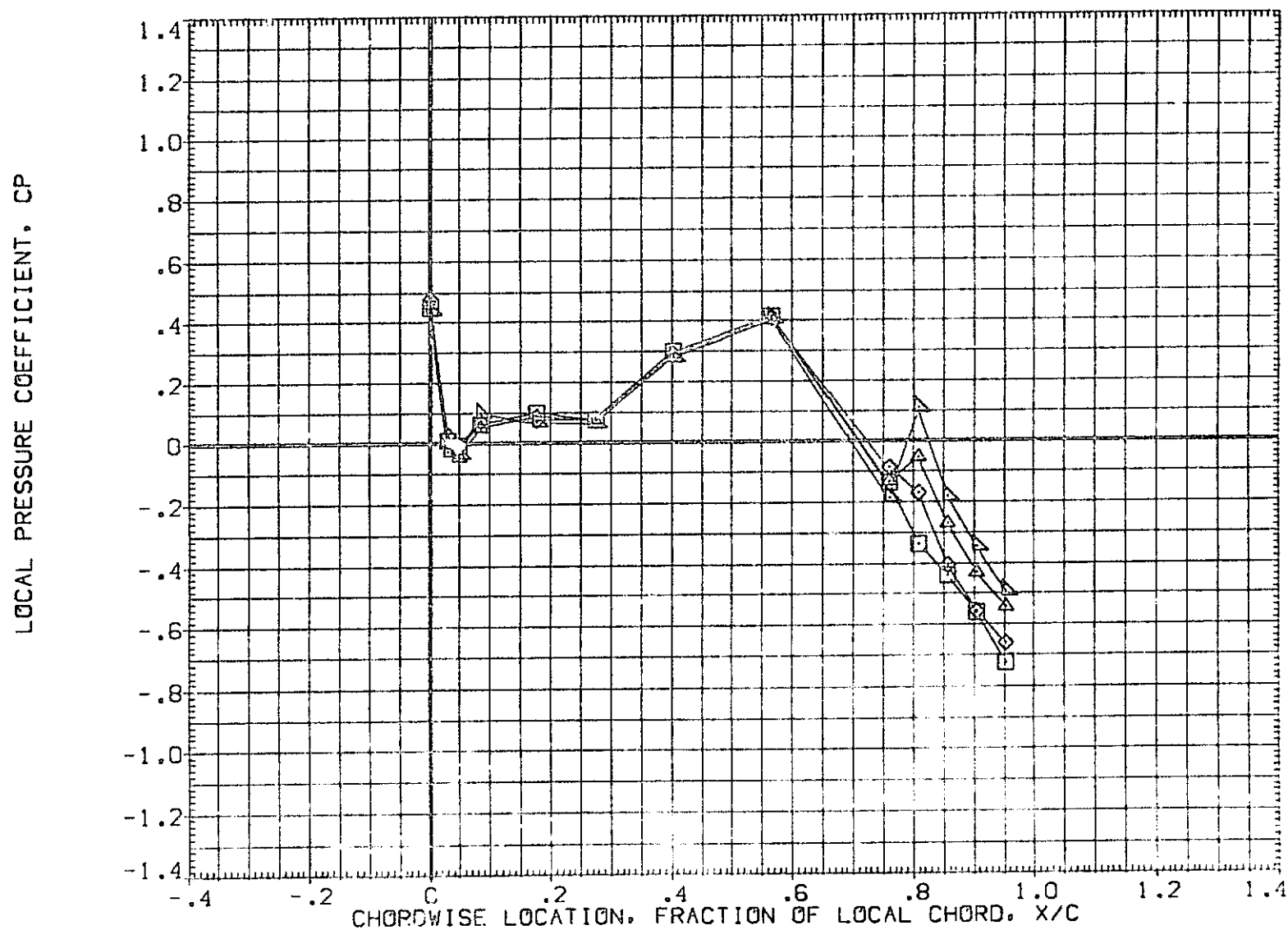


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\text{BEI} \alpha = 8$
MACH = 1.240 ALPHA = -2.000 $2Y/B = .436$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	1A70 01 T12 S1 P2 P8
(AF7L48)	1A70 01 T12 S1 P2 P8
(AF7L53)	1A70 01 T12 S1 P2 P8
(AF7L58)	1A70 01 T12 S1 P2 P8

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

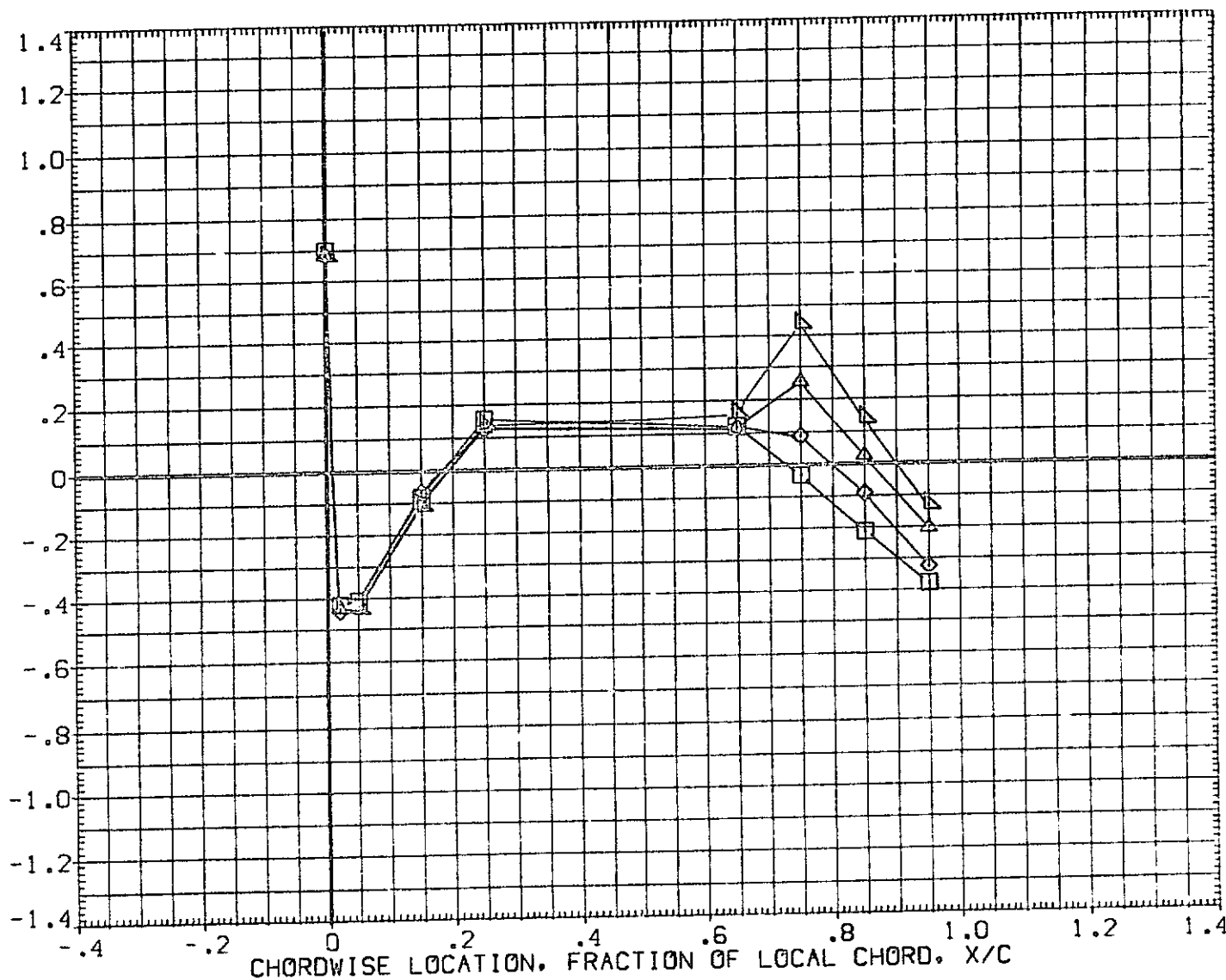


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -2.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	○	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7L43}	□	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
{AF7L48}	◇	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{AF7L53}	△	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{AF7L58}	▽	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

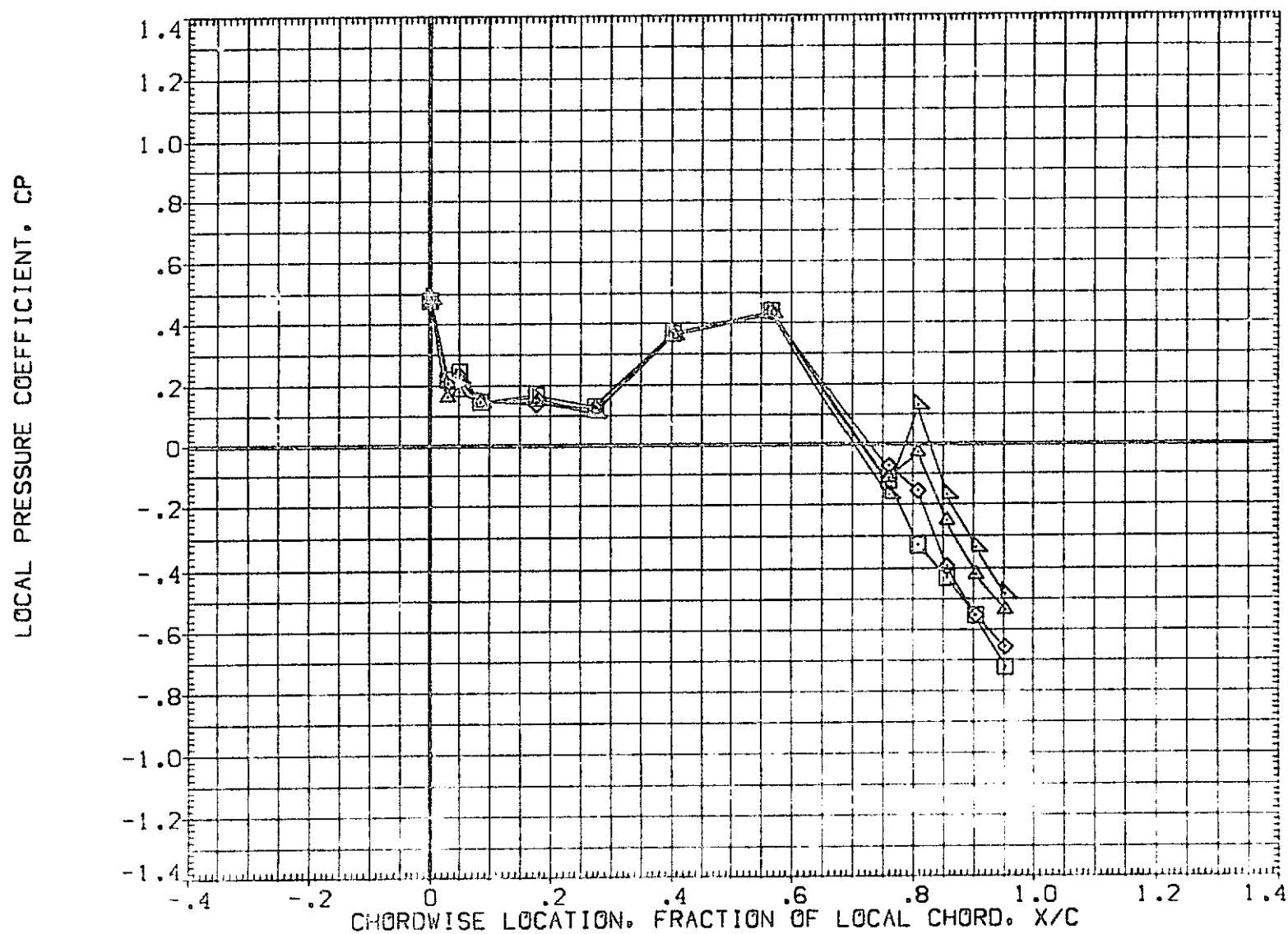


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF7L63)	DATA NOT AVAILABLE
(AF7L43)	DATA NOT AVAILABLE
(AF7L48)	DATA NOT AVAILABLE
(AF7L53)	DATA NOT AVAILABLE
(AF7L58)	DATA NOT AVAILABLE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

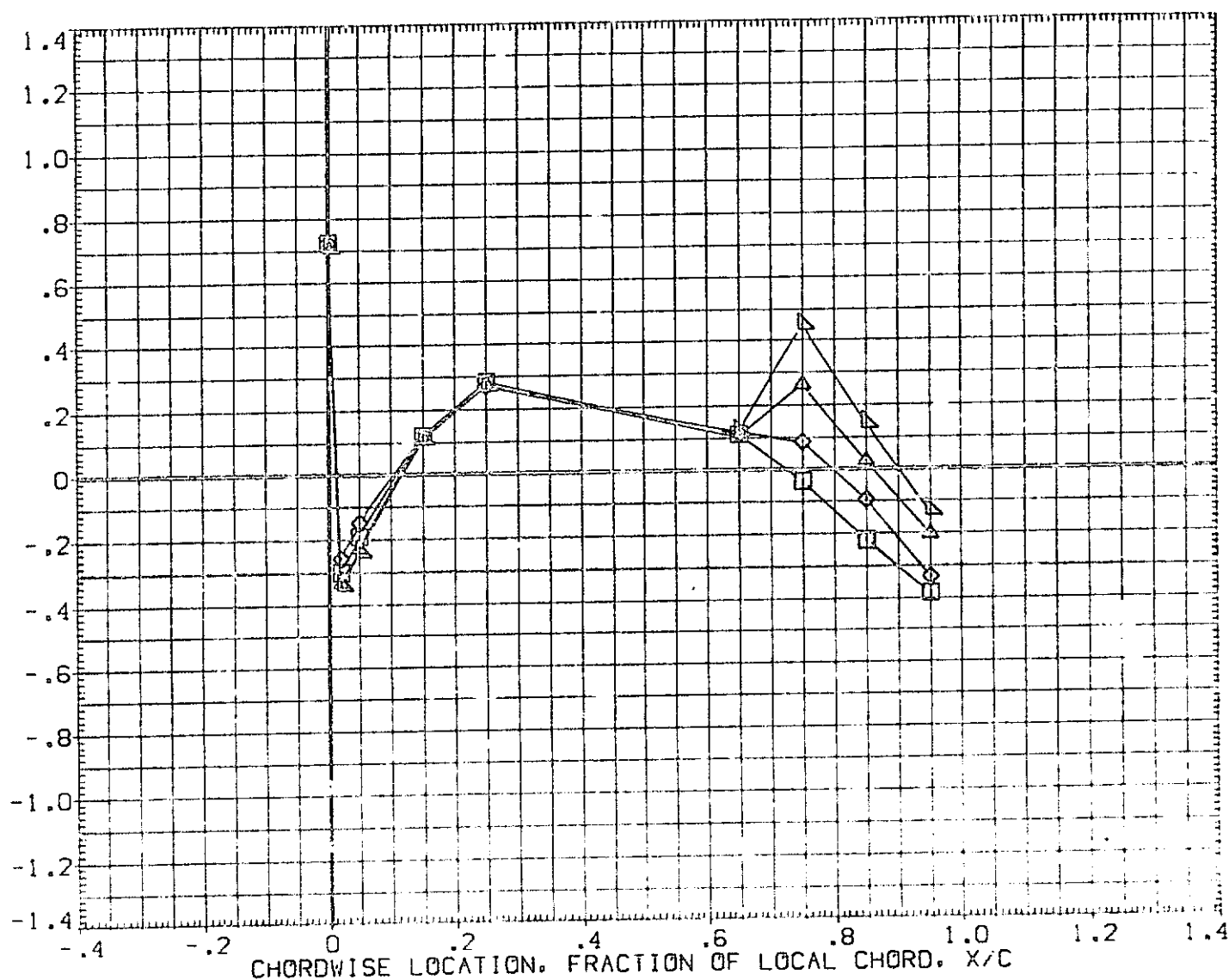
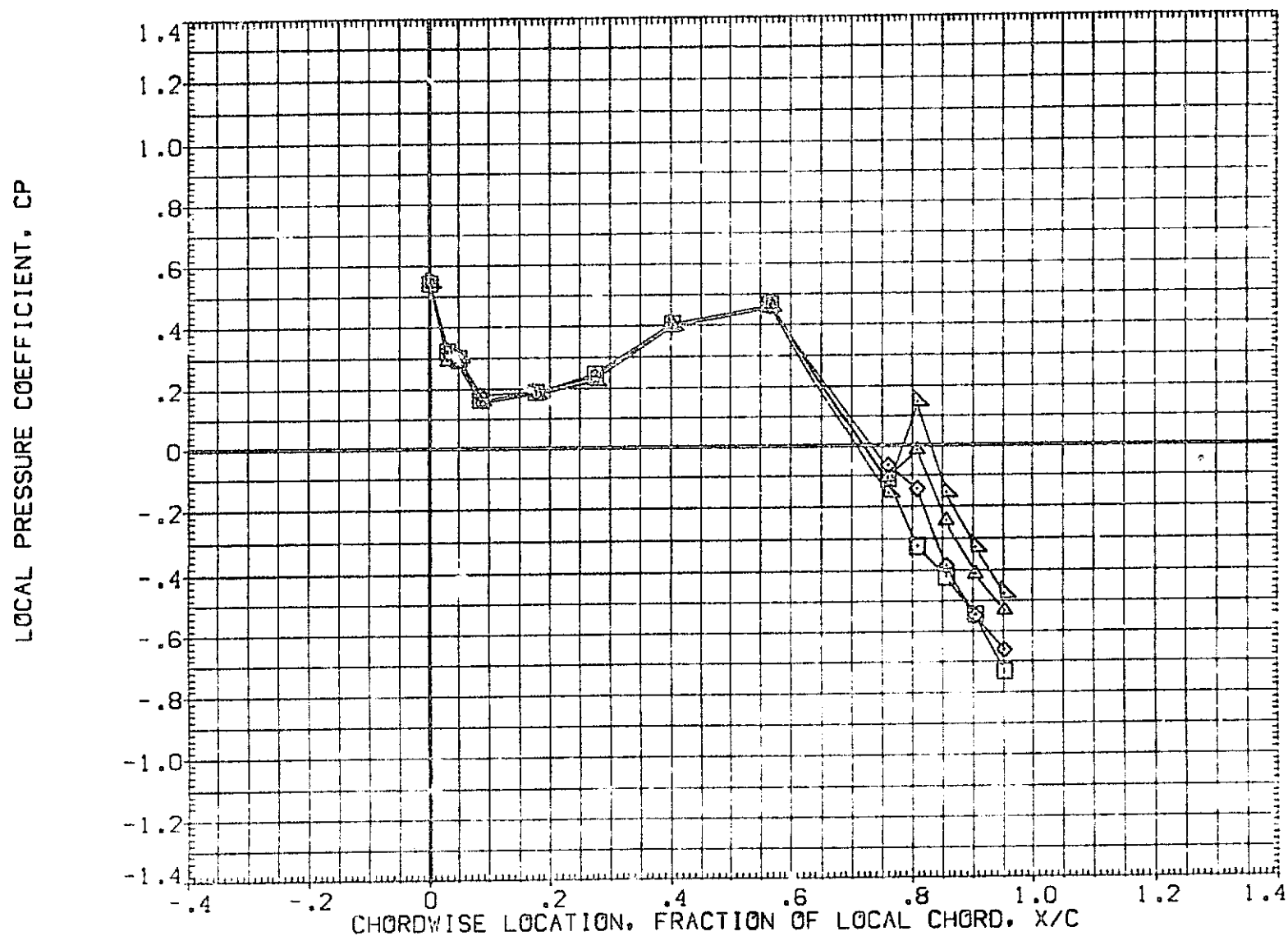


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000



MACH = 1.240 ALPHA = 2.000 2Y/B = .436

(AF7L63)
(AF7L43)
(AF7L48)
(AF7L53)
(AF7L58)



FIG 25

MACH = 1.240

ALPHA =

$$2Y/B = .771$$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7L63) DATA NOT AVAILABLE
 (AF7L43) 1A70 01 T12 S1 P2 P8
 (AF7L48) 1A70 01 T12 S1 P2 P8
 (AF7L53) 1A70 01 T12 S1 P2 P8
 (AF7L59) 1A70 01 T12 S1 P2 P8

WING LOWER SURFACE
 WING LOWER SURFACE
 WING LOWER SURFACE
 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, C_p

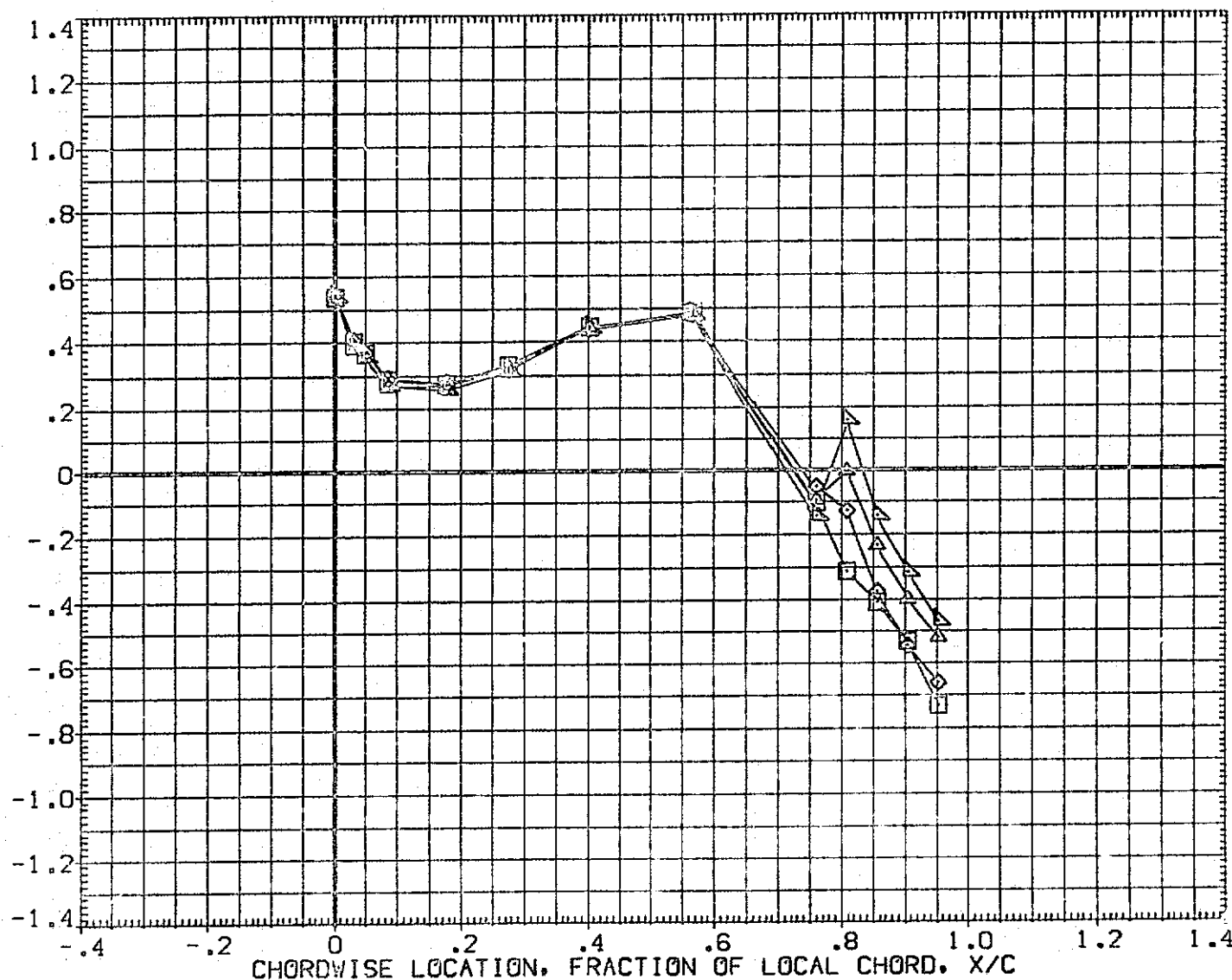


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$

MACH = 1.240 ALPHA = 4.000 $2Y/B = .436$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7L63)	□	DATA NOT AVAILABLE	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L43)	○	IA70 01 T12 S1 P2 P8	-4.000	.000	-4.000	-4.000
(AF7L48)	×	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L53)	△	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L59)	▽	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
		IA70 01 T12 S1 P2 P8	12.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

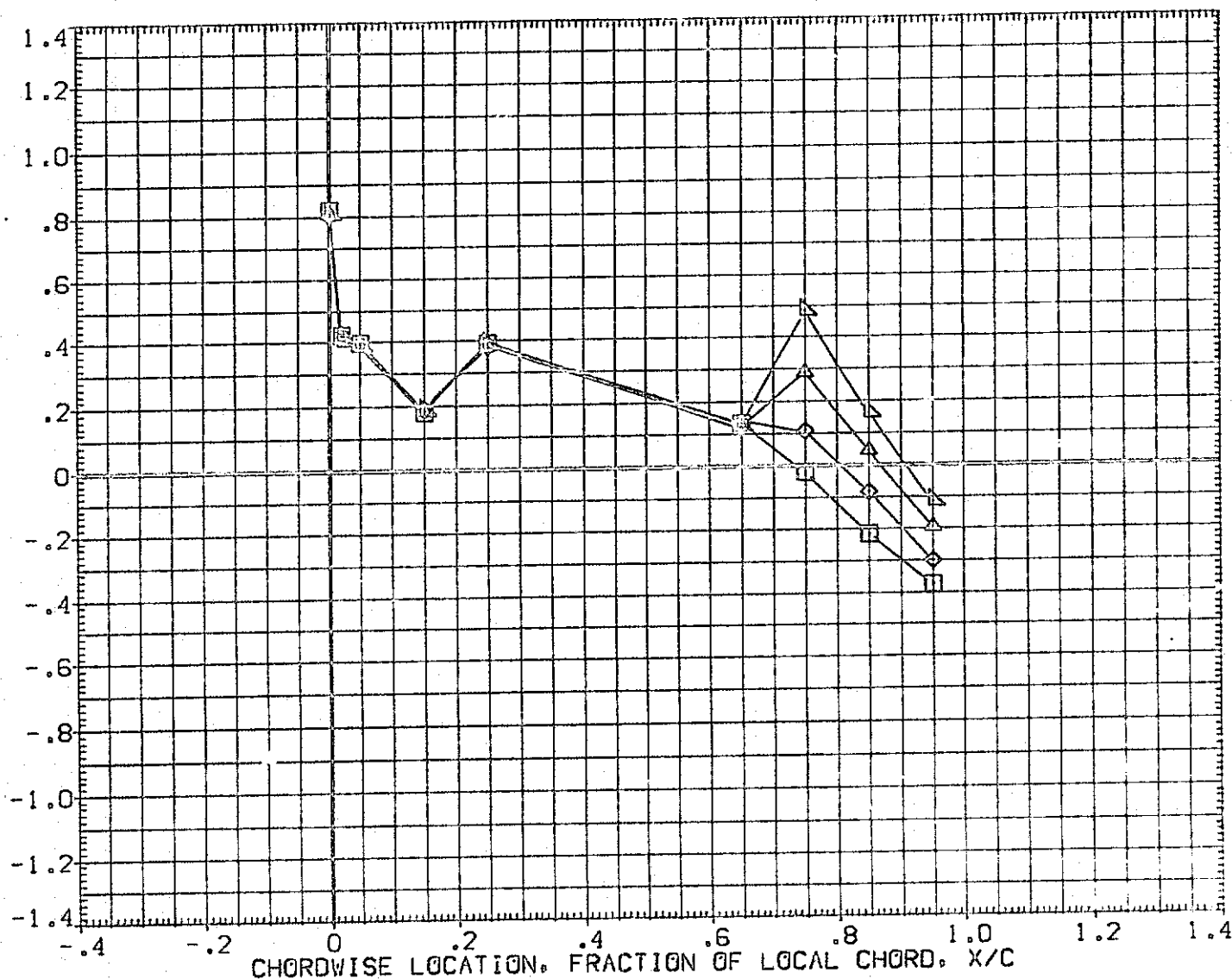


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

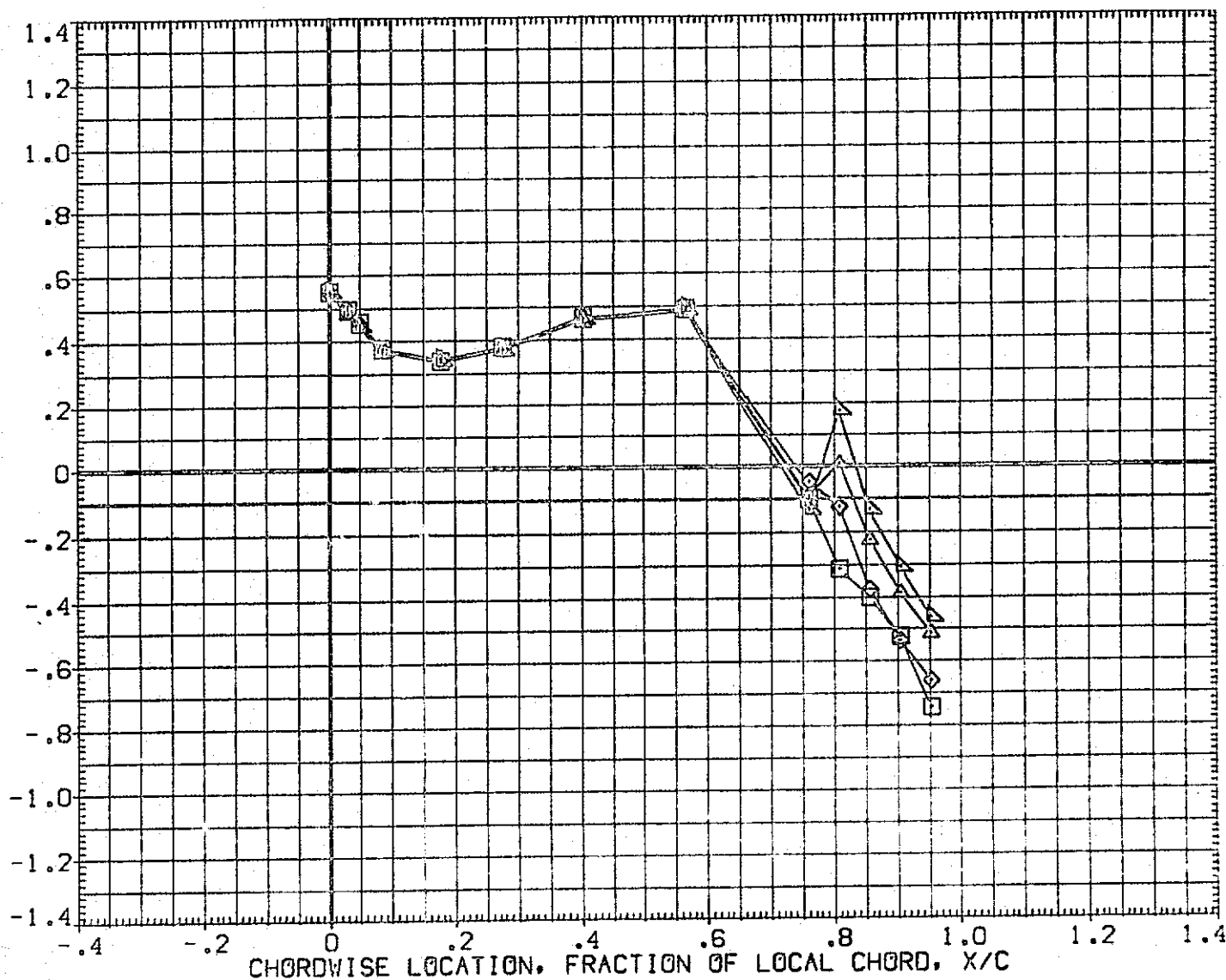


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L63]	DATA NOT AVAILABLE
[AF7L43]	IA70 01 T12 S1 P2 P8
[AF7L48]	IA70 01 T12 S1 P2 P8
[AF7L53]	IA70 01 T12 S1 P2 P8
[AF7L58]	IA70 01 T12 S1 P2 P8

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

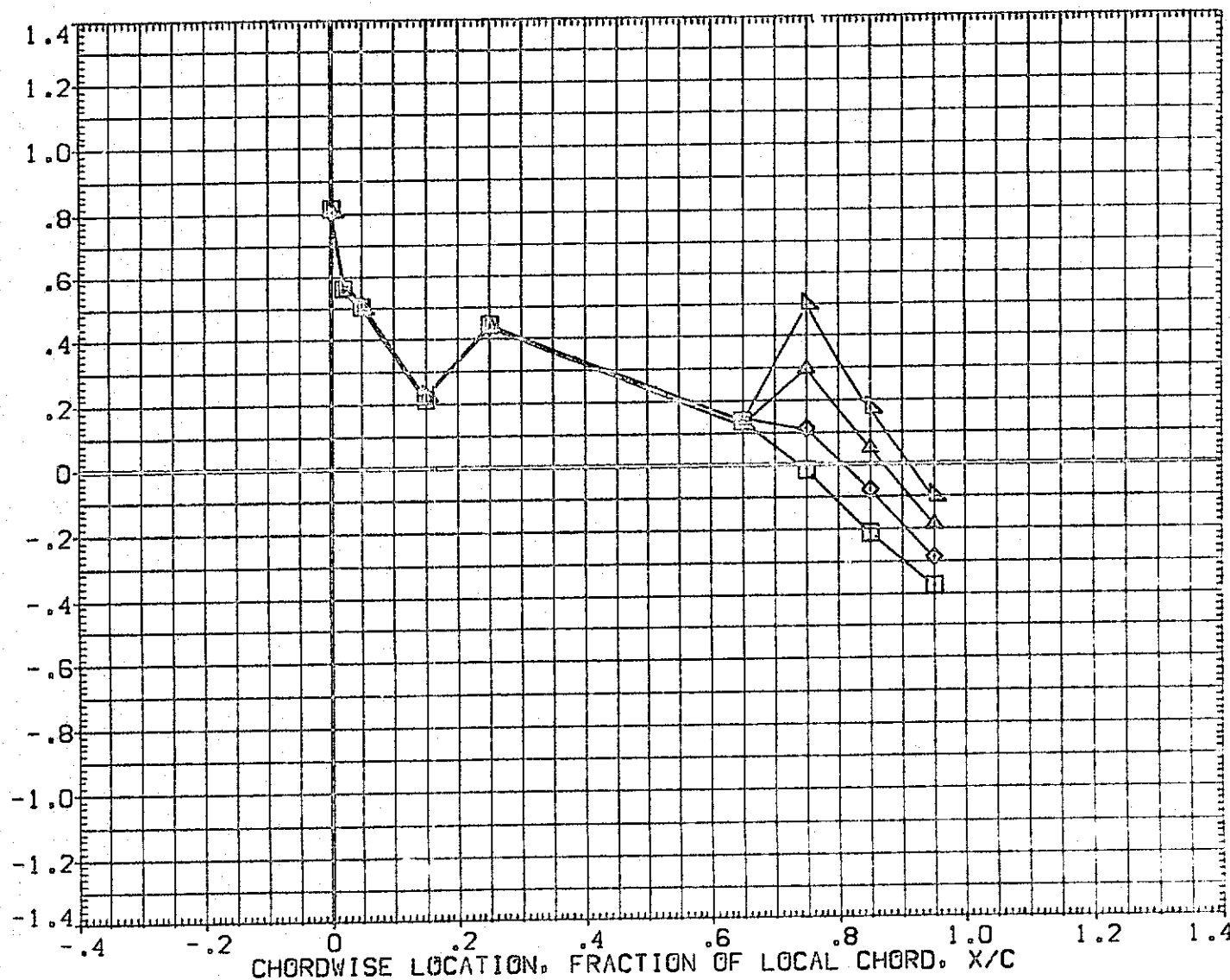


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				
	WING LOWER SURFACE				

LOCAL PRESSURE COEFFICIENT, CP

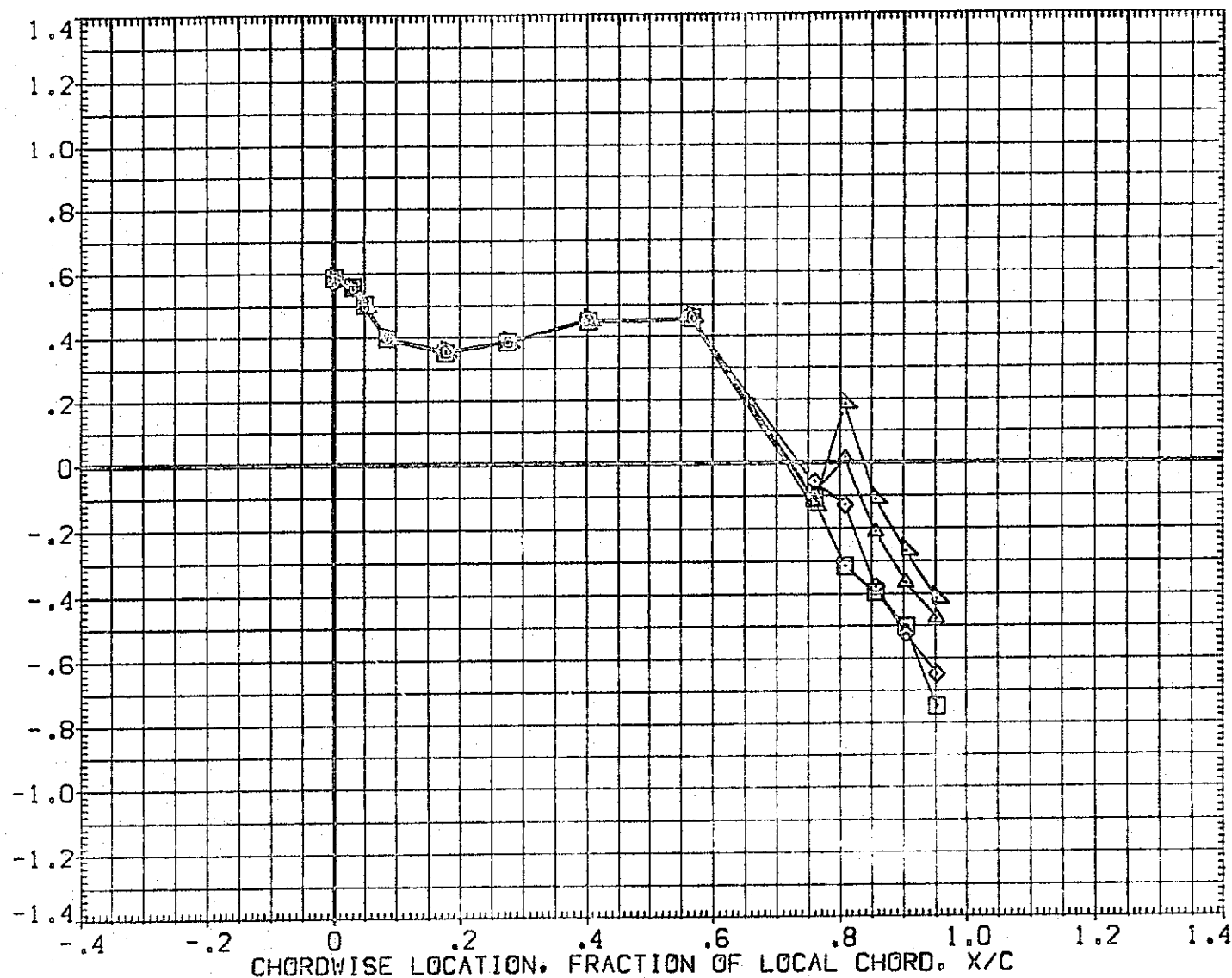


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7L69]	DATA NOT AVAILABLE
[AF7L43]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L48]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L53]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
0.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

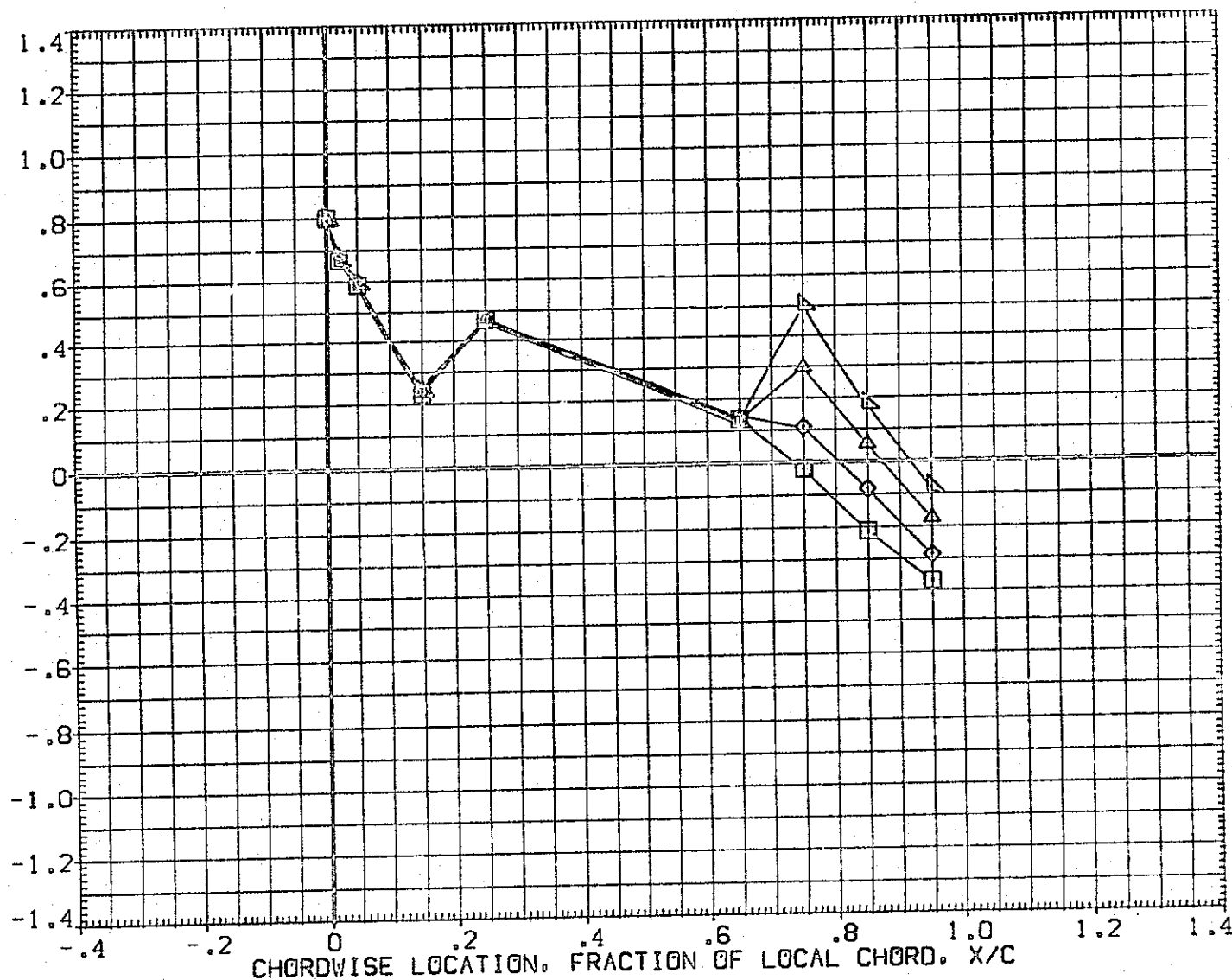


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

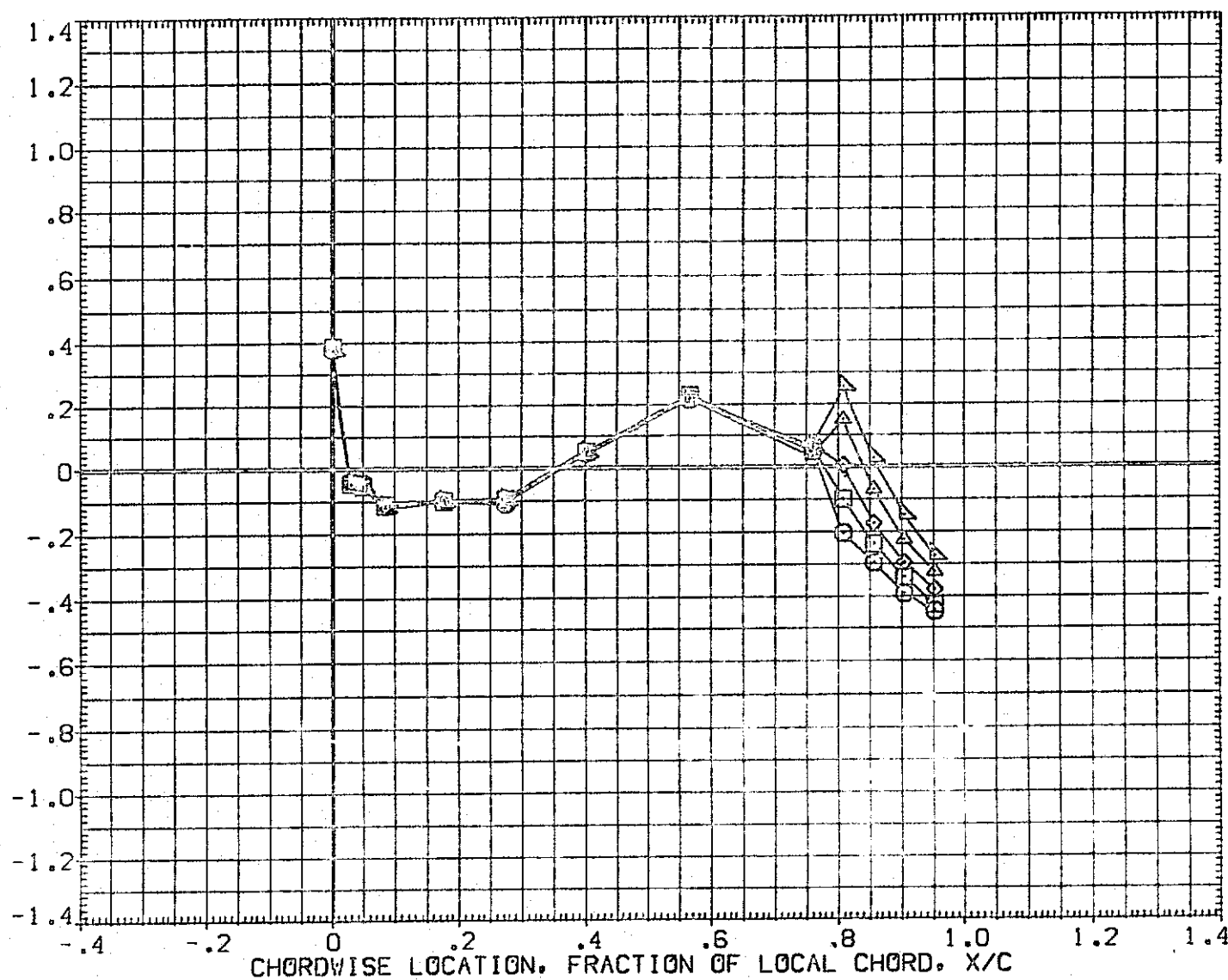


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	1A70 01 T12 S1 P2 P3	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

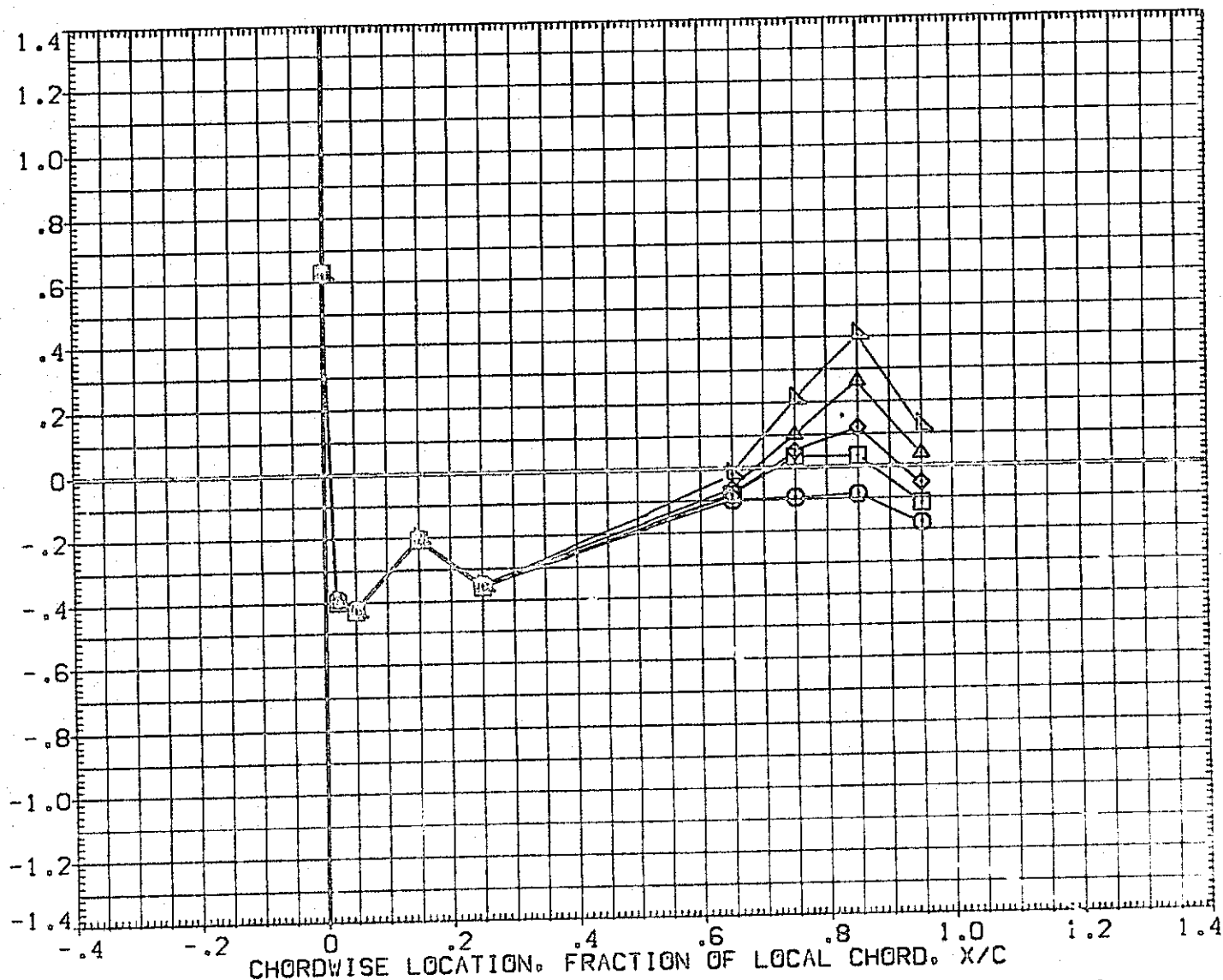


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

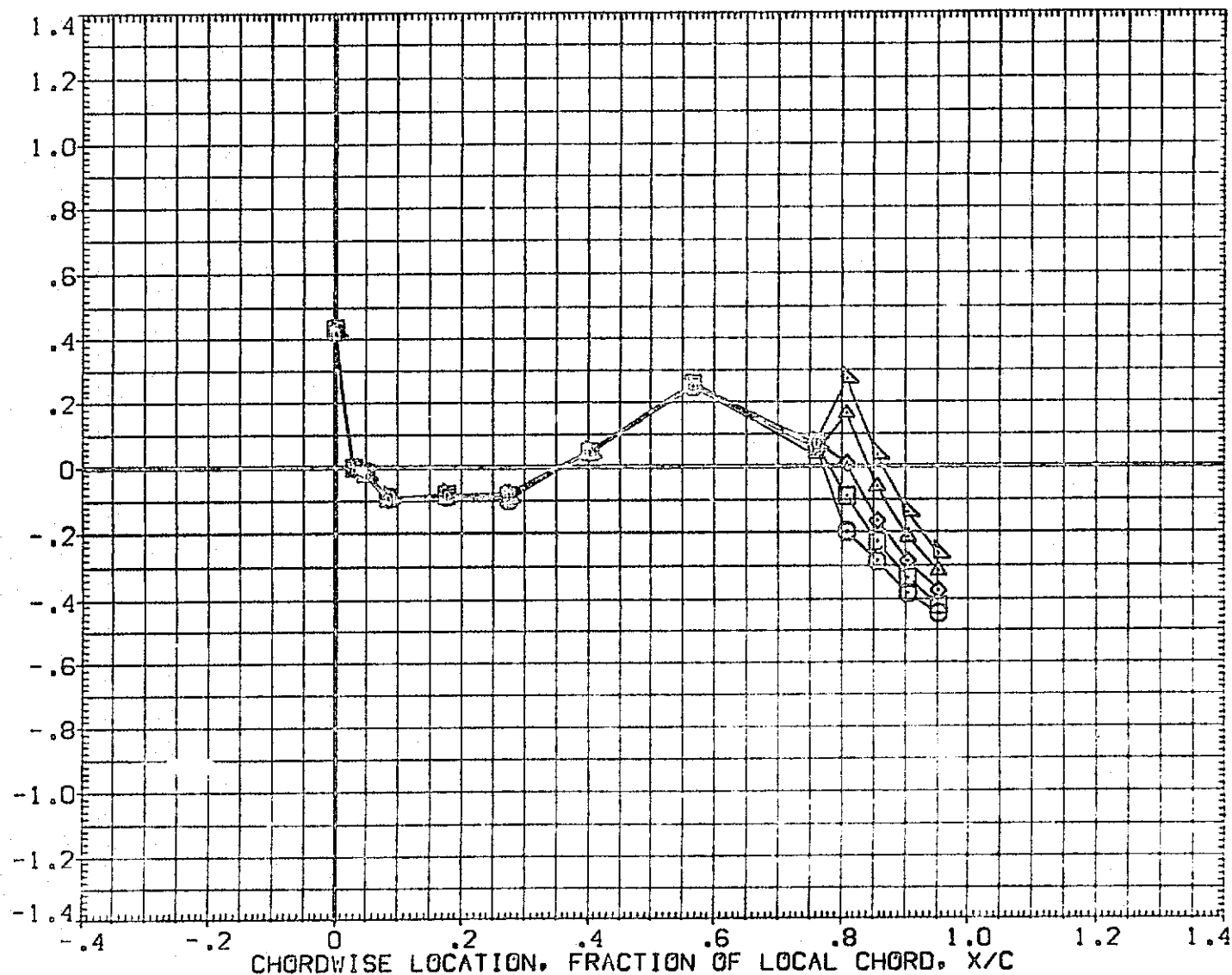


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -6.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	1A70 01 T12 S1 P2 P8	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

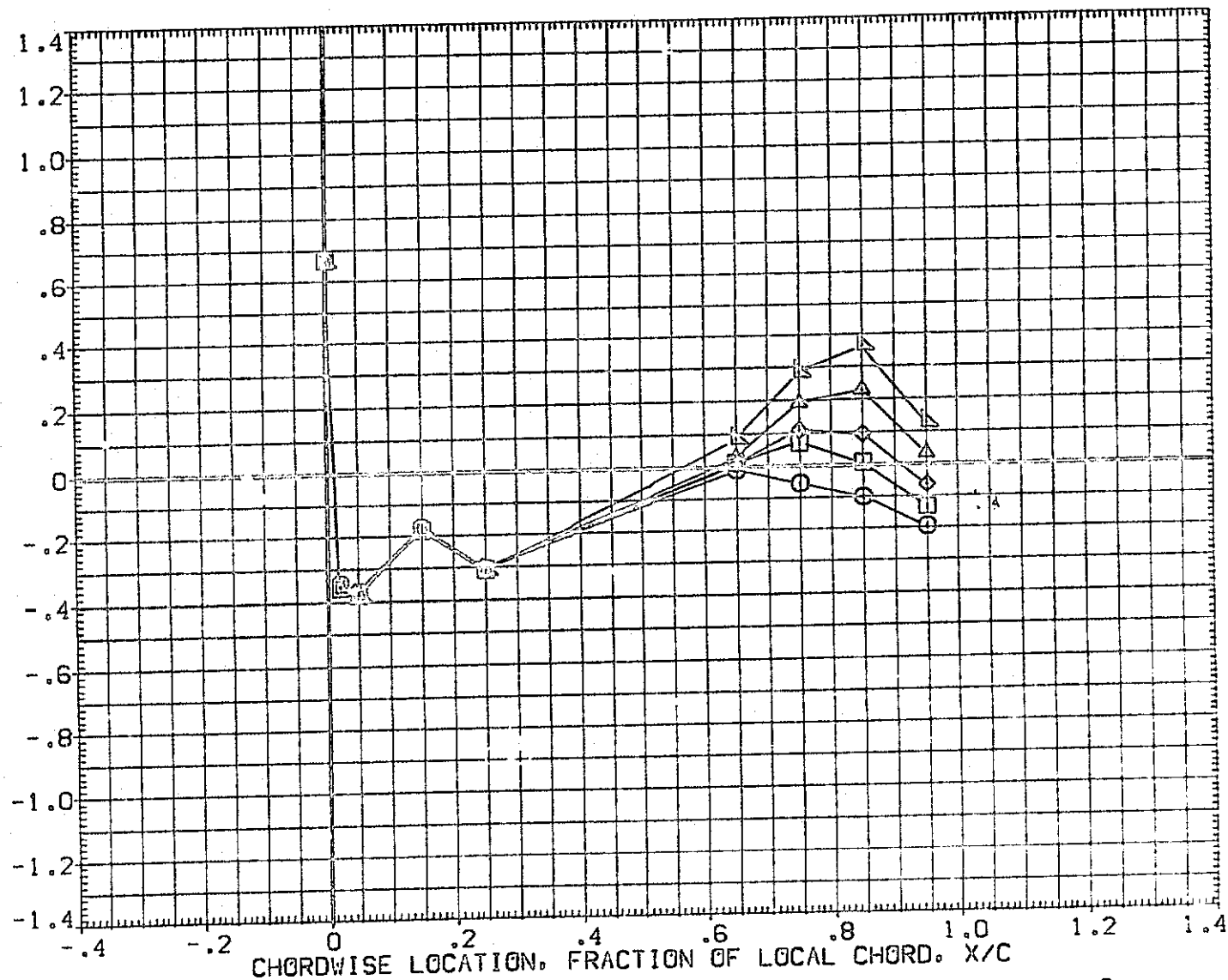


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

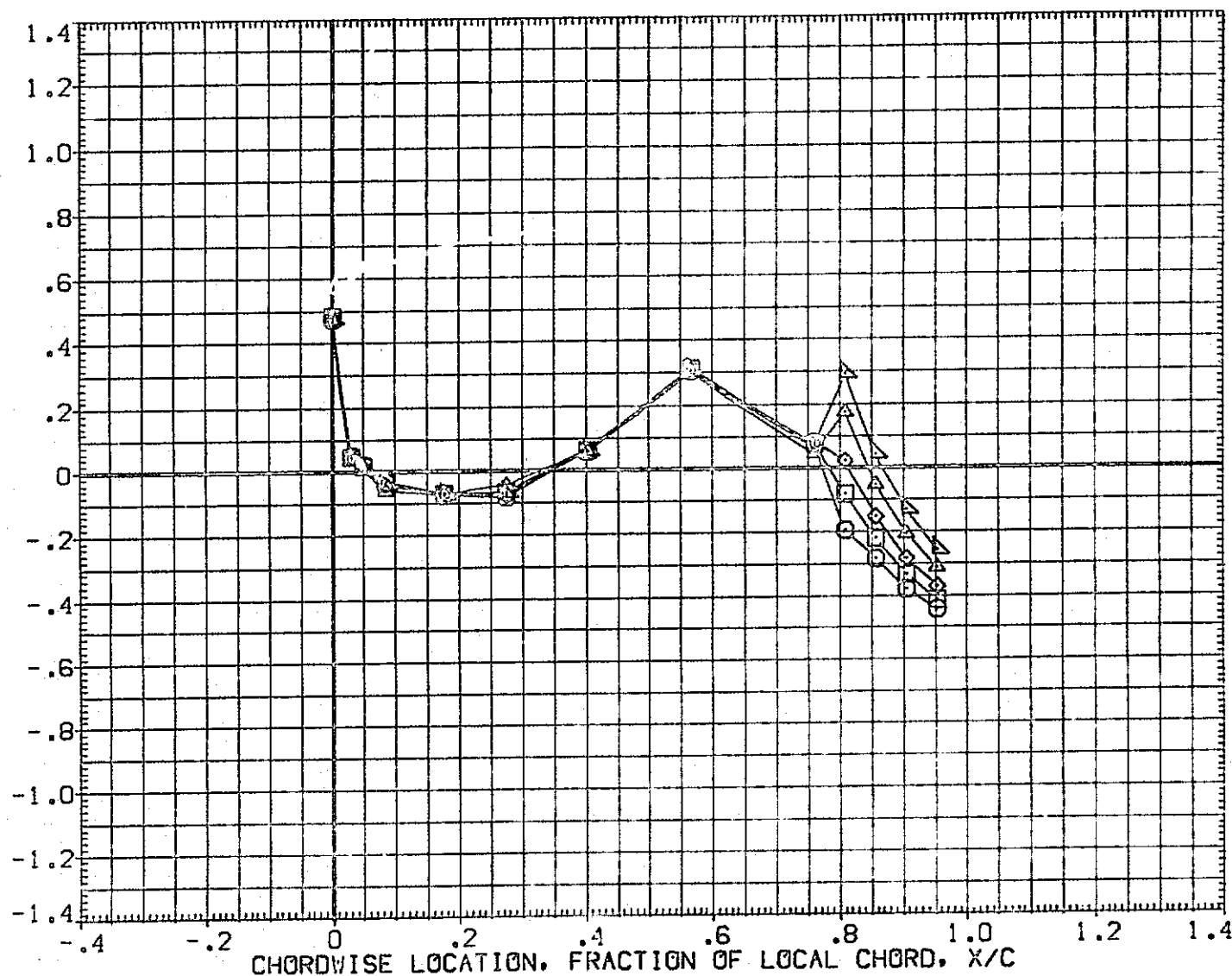


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

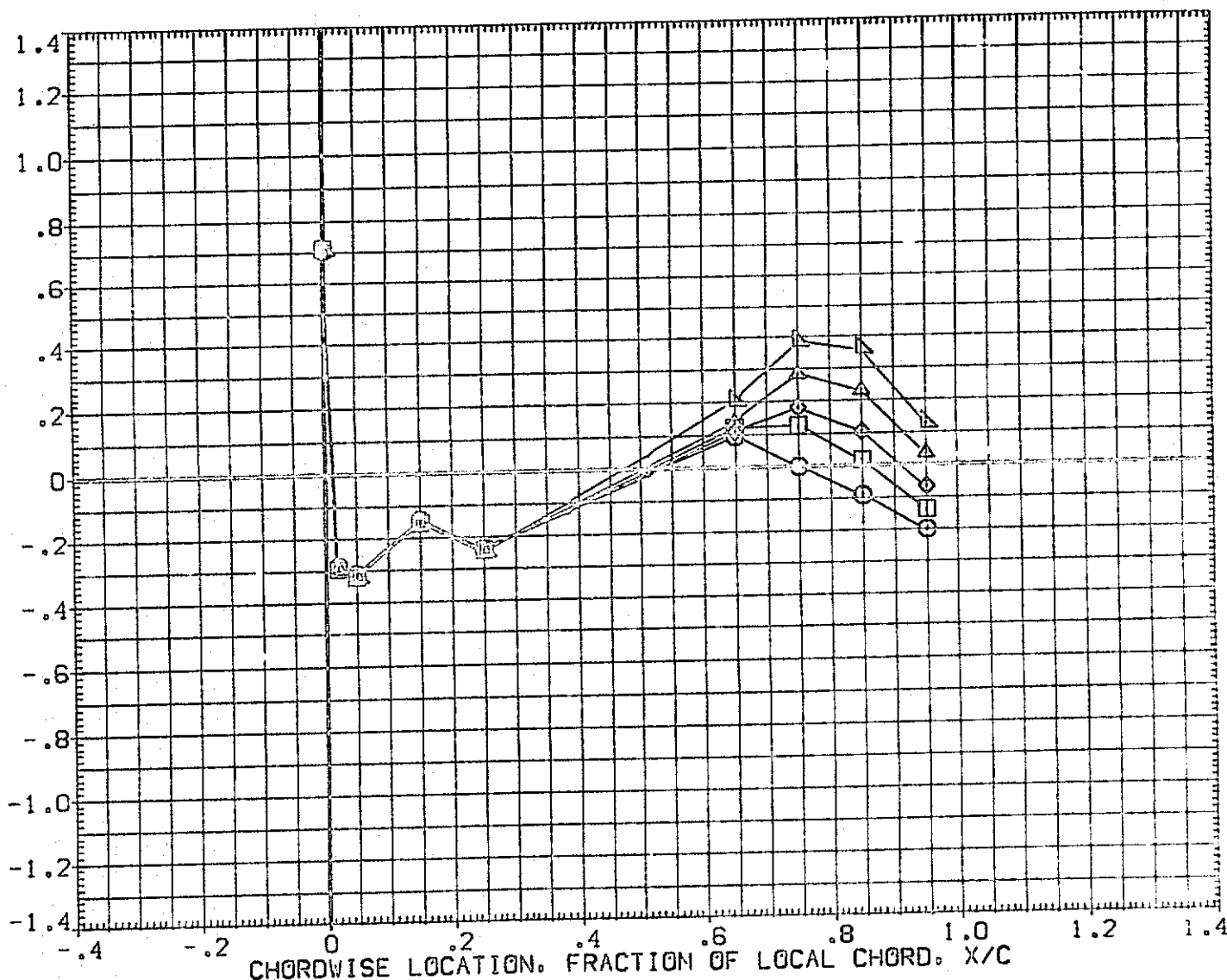


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

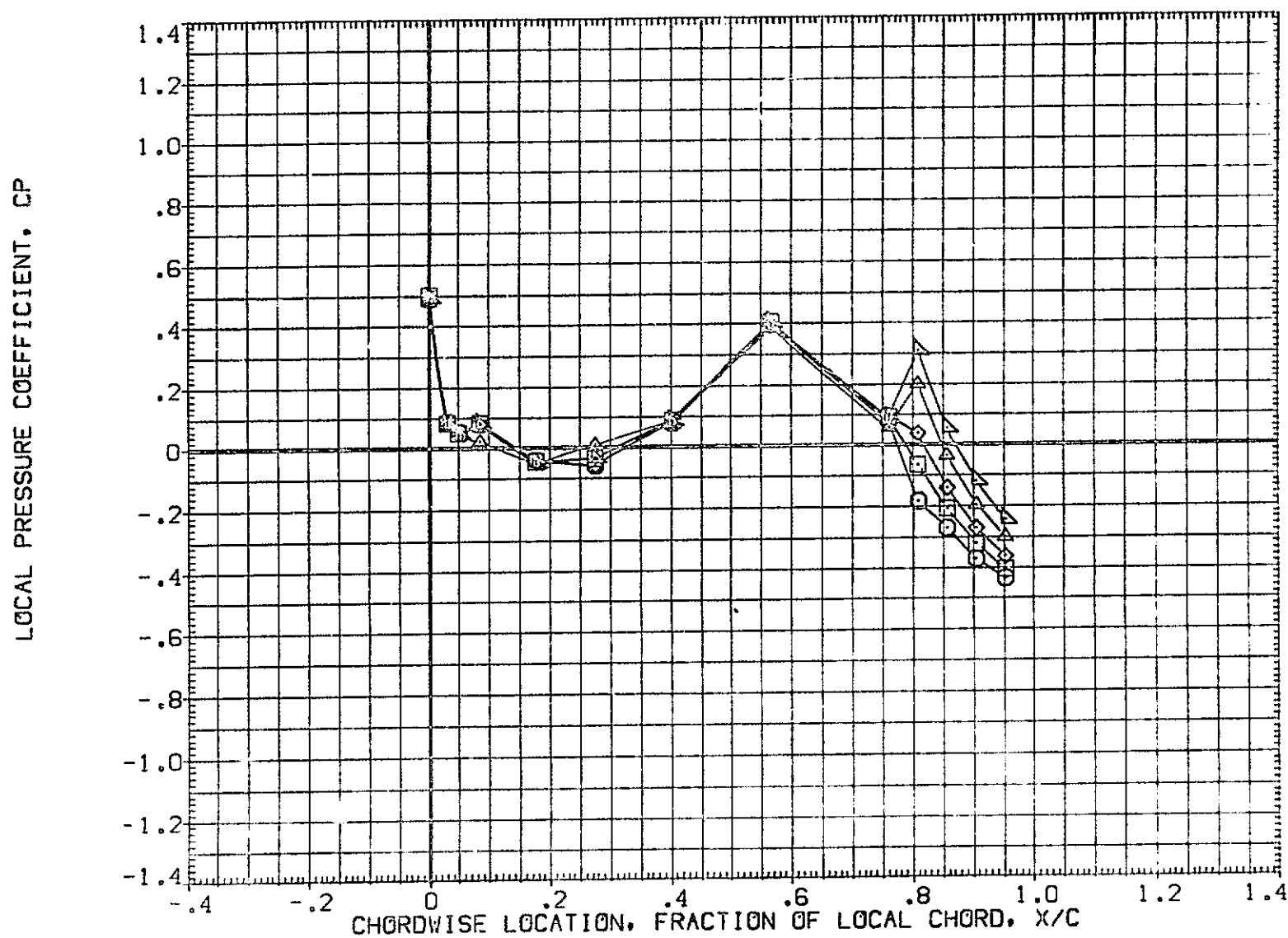
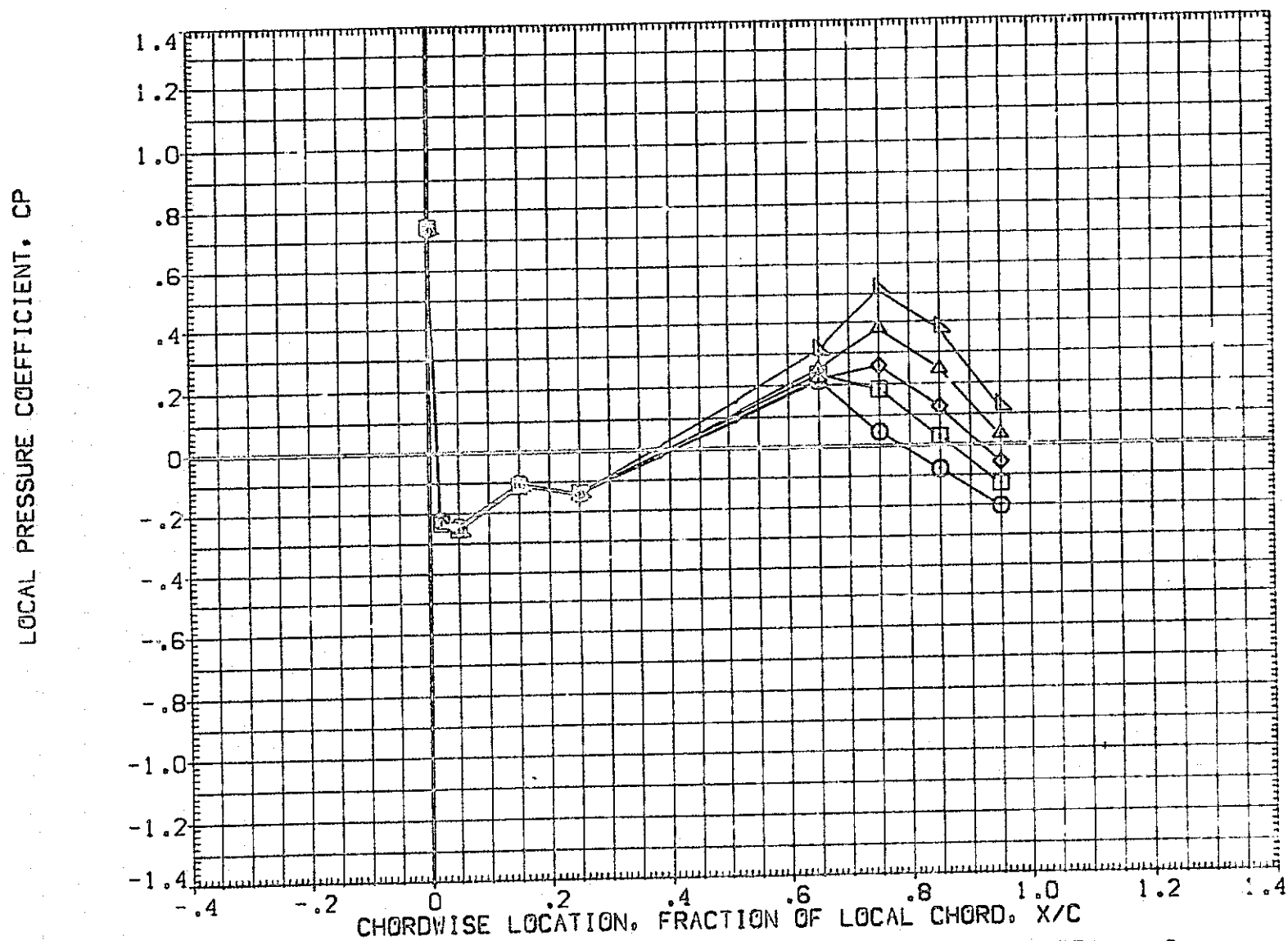


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$
MACH = 1.500 ALPHA = -2.000 $2Y/B = .400$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	1A70 01 T12 S1 P2 P3 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P3 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L46)	1A70 01 T12 S1 P2 P3 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P3 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L55)	1A70 01 T12 S1 P2 P3 WING LOWER SURFACE	0.000	12.000	12.000	12.000



MACH = 1.500 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L4B)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

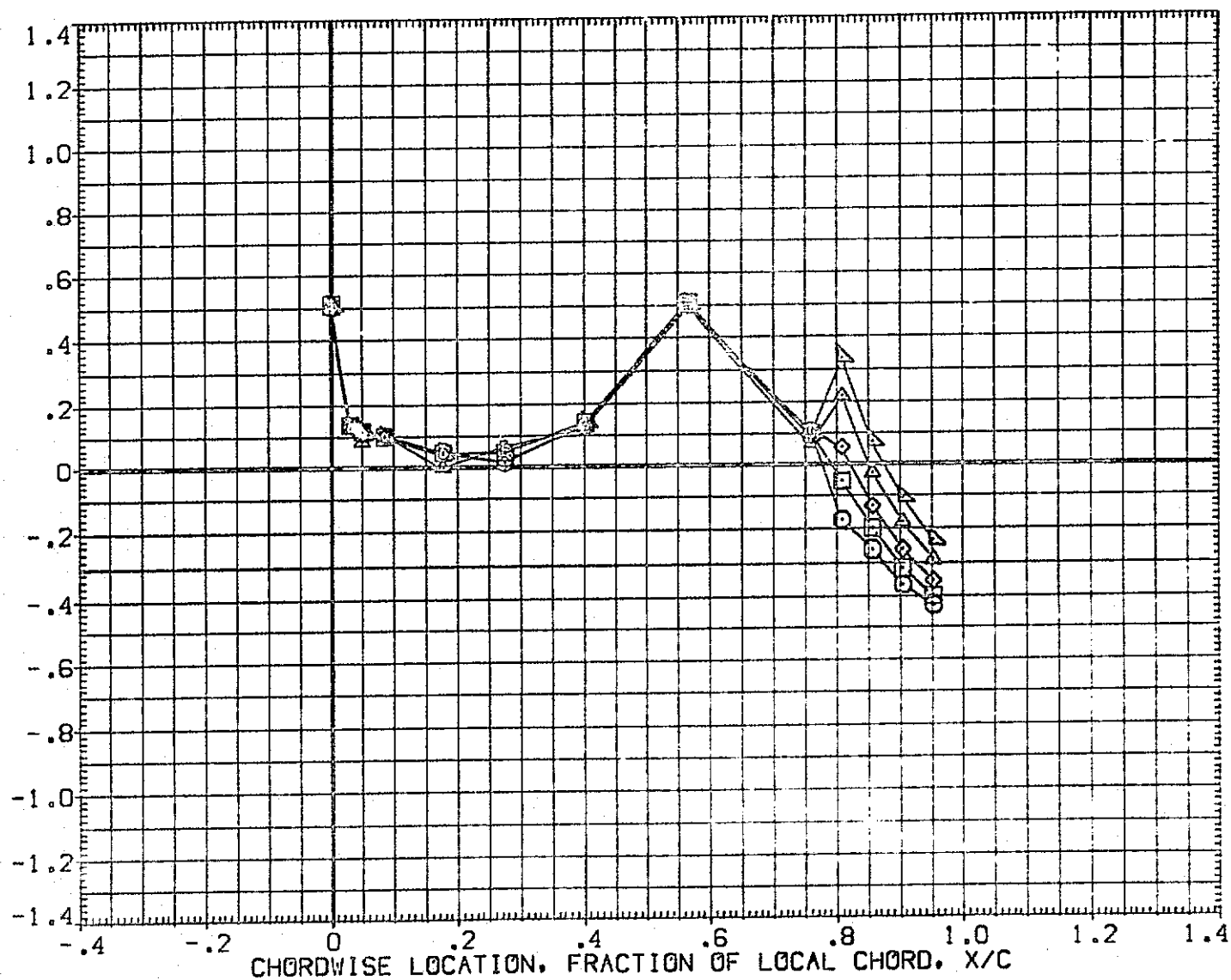


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

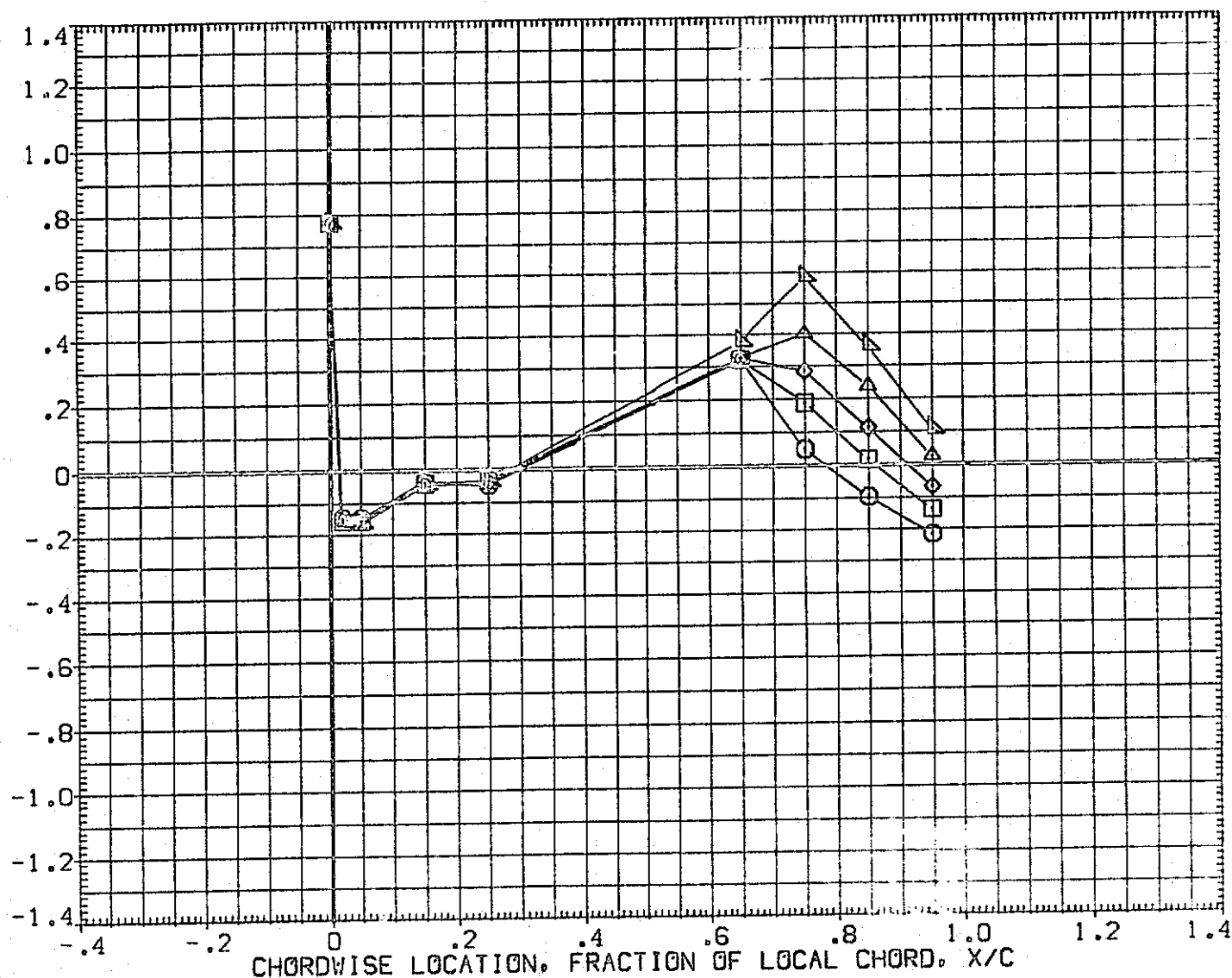


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
[AF7L43]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

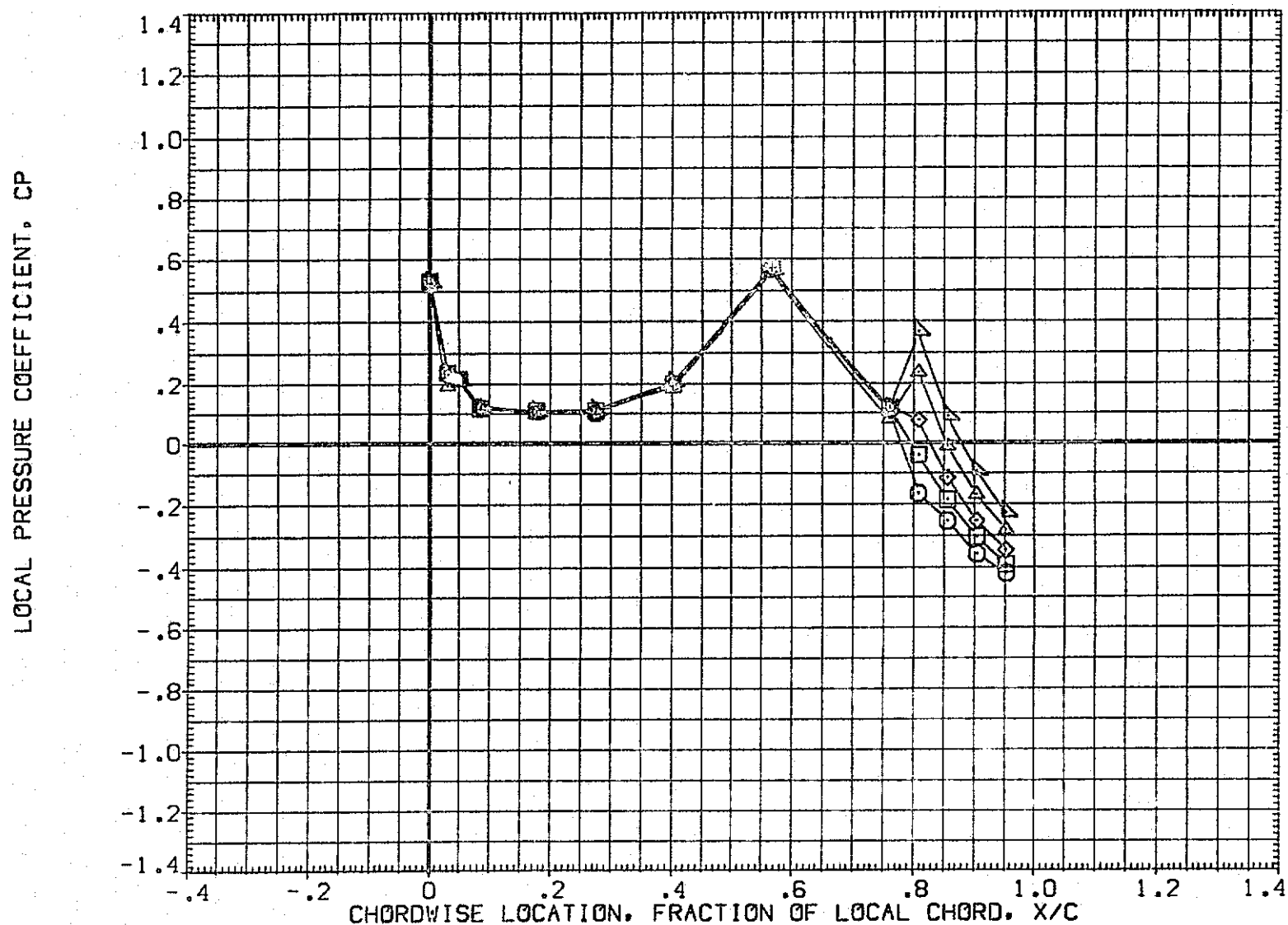


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	1A70 01 T12 S1 P2 P8	-4.000	.000	-4.000	-4.000
{AF7L43}	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
{AF7L4B}	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
{AF7L53}	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
{AF7L5B}	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

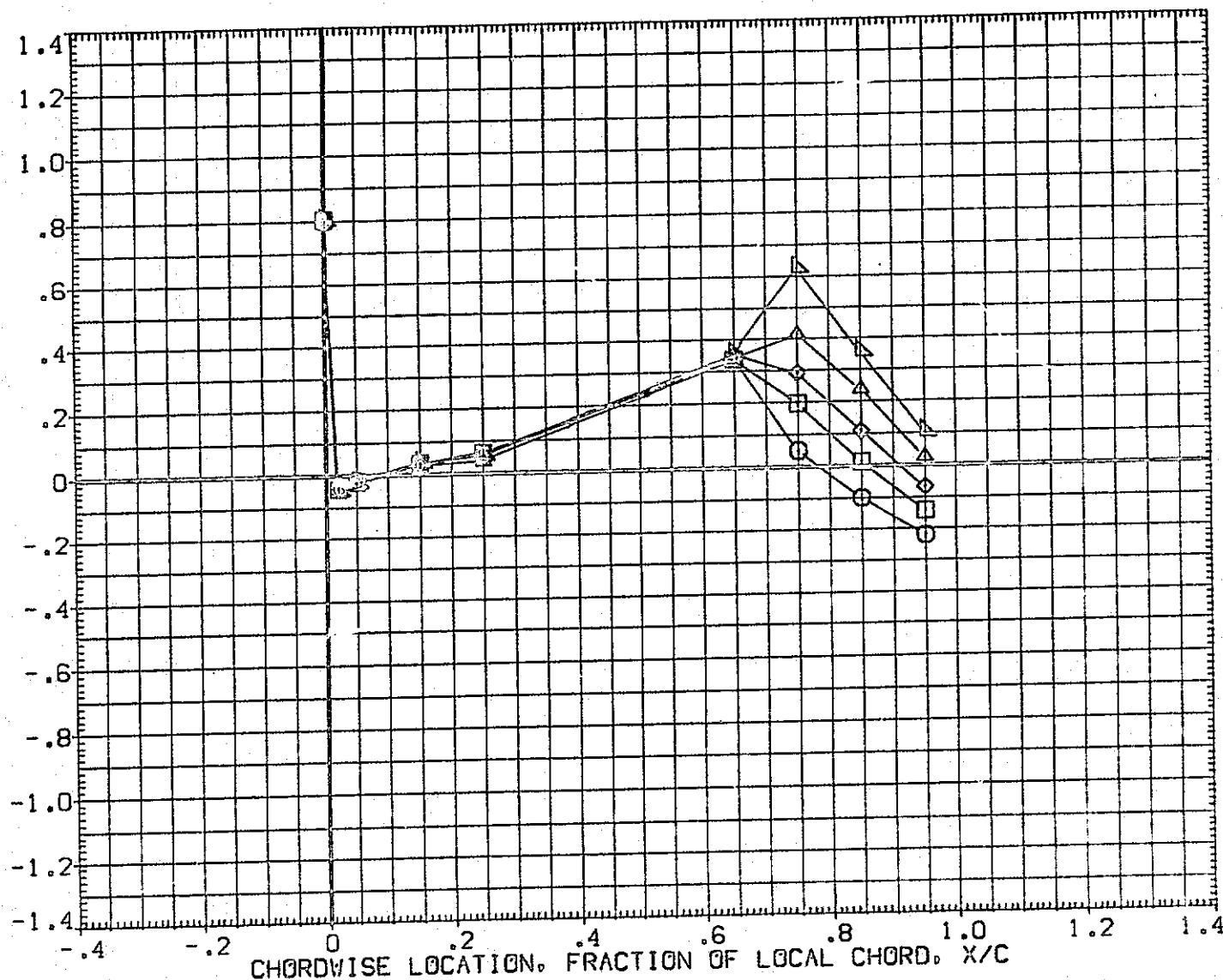


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 2.000 2Y/B = .771 PAGE 334

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

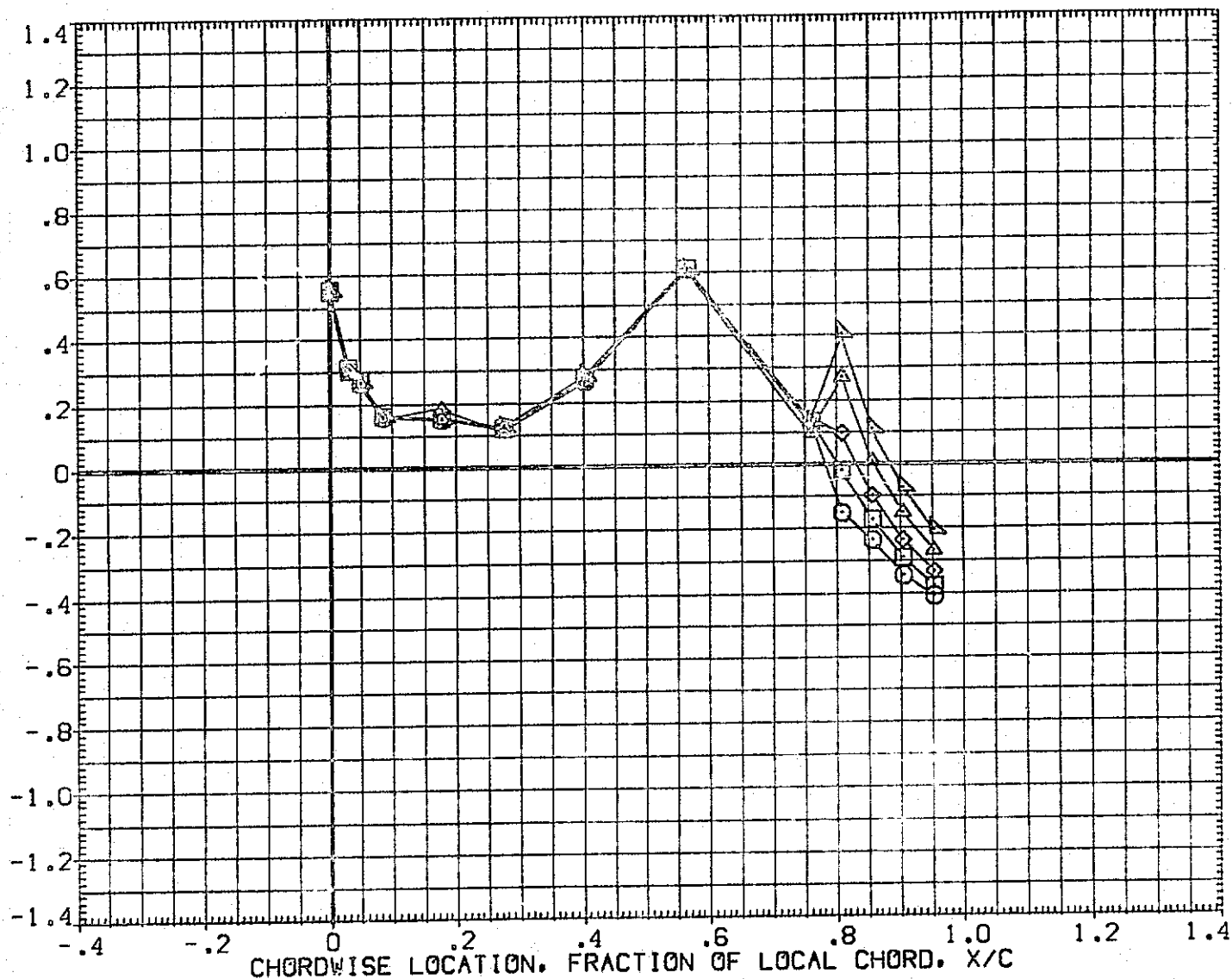


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

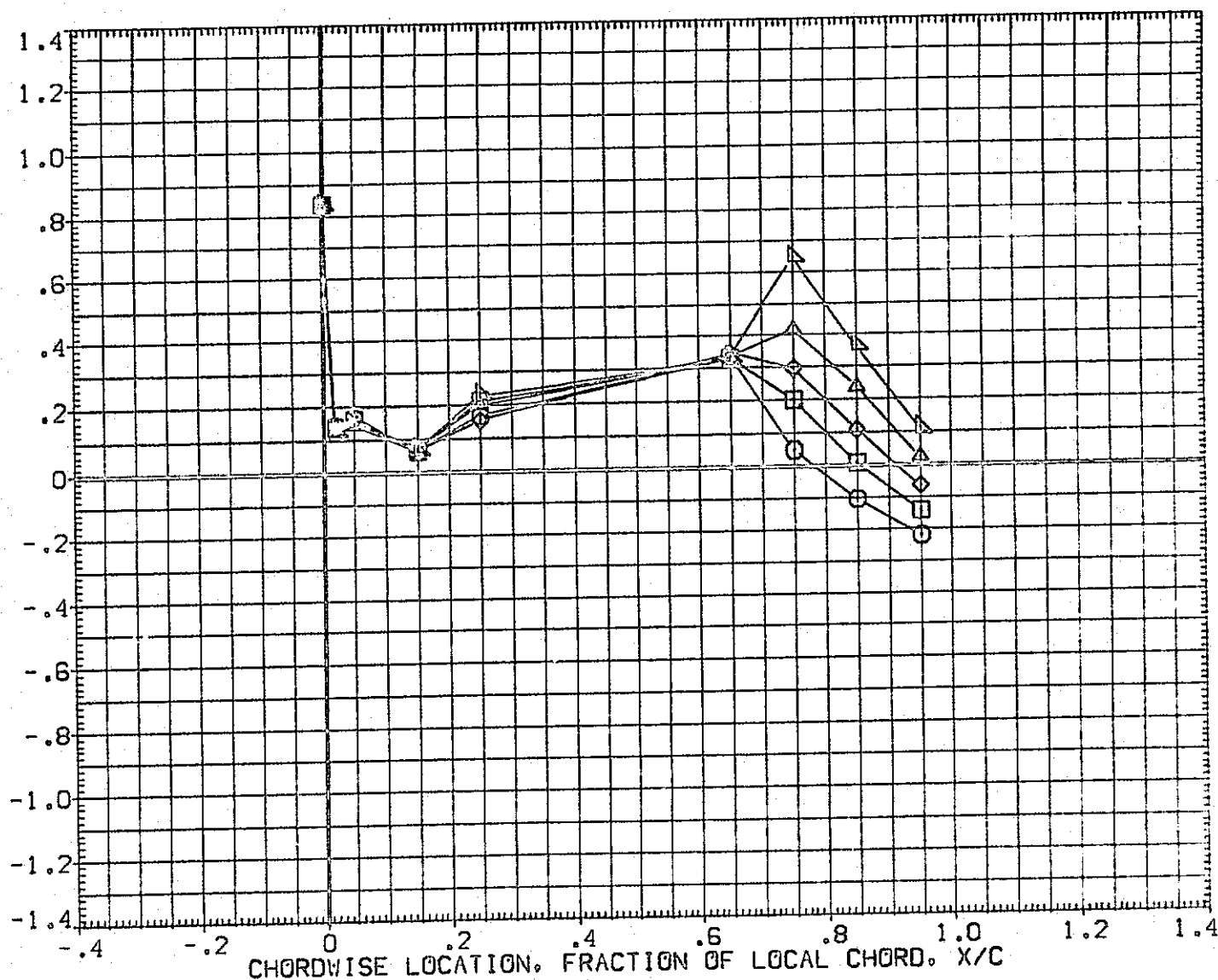


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L48)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

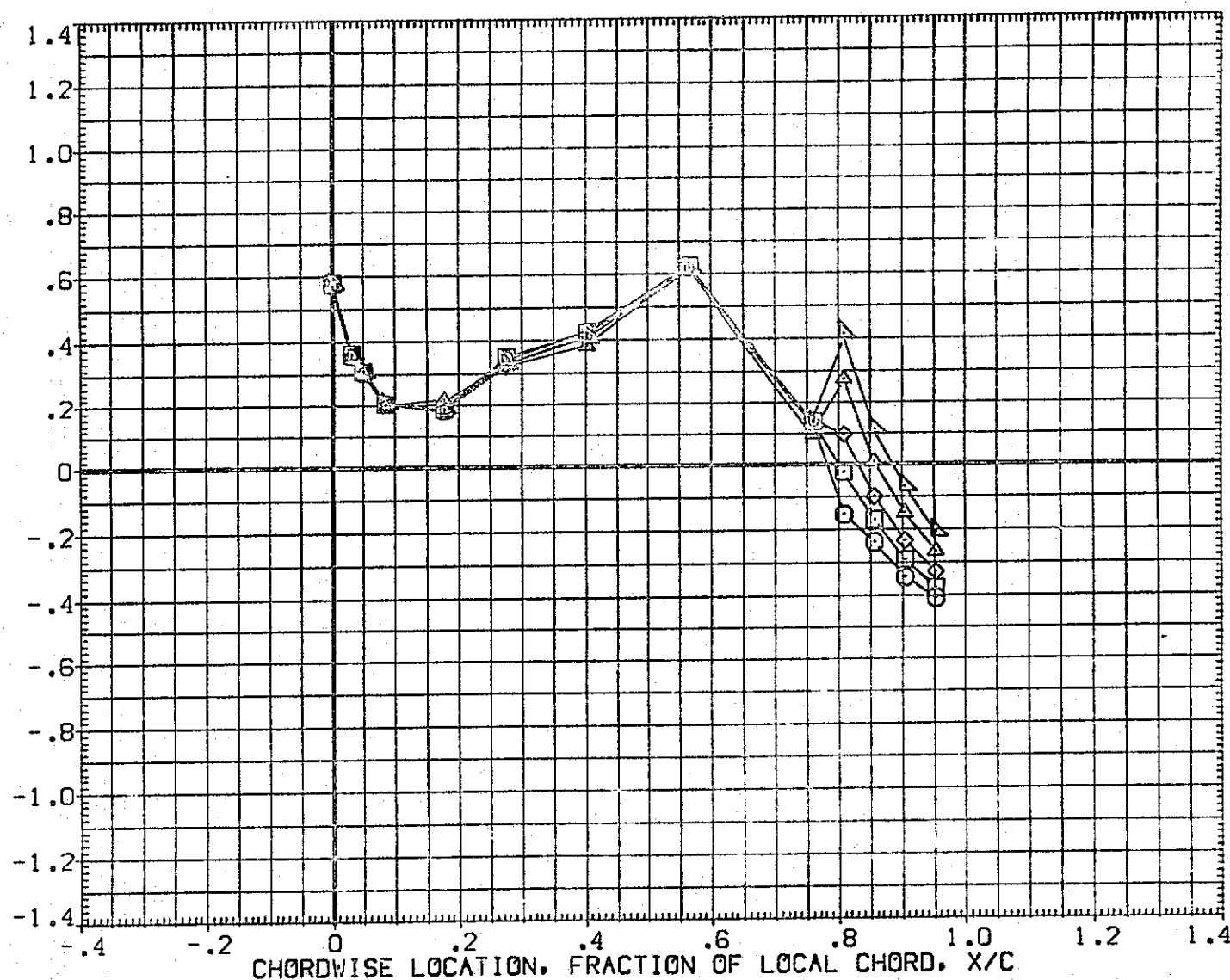


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L63)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
(AF7L43)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L53)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L58)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

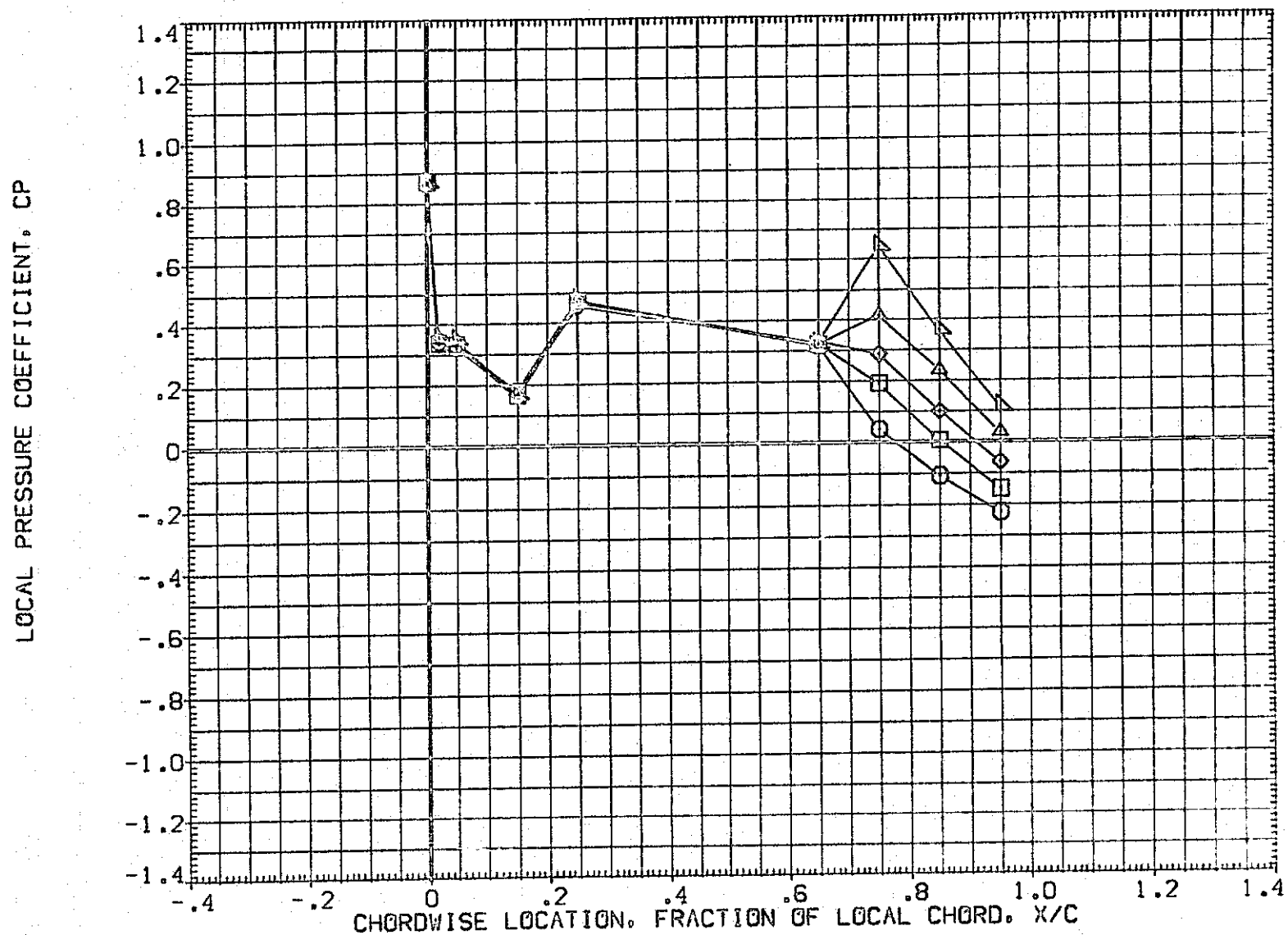


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 6.000 2Y/B = .771 PAGE 338

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L63]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
[AF7L43]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L48]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L53]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L58]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

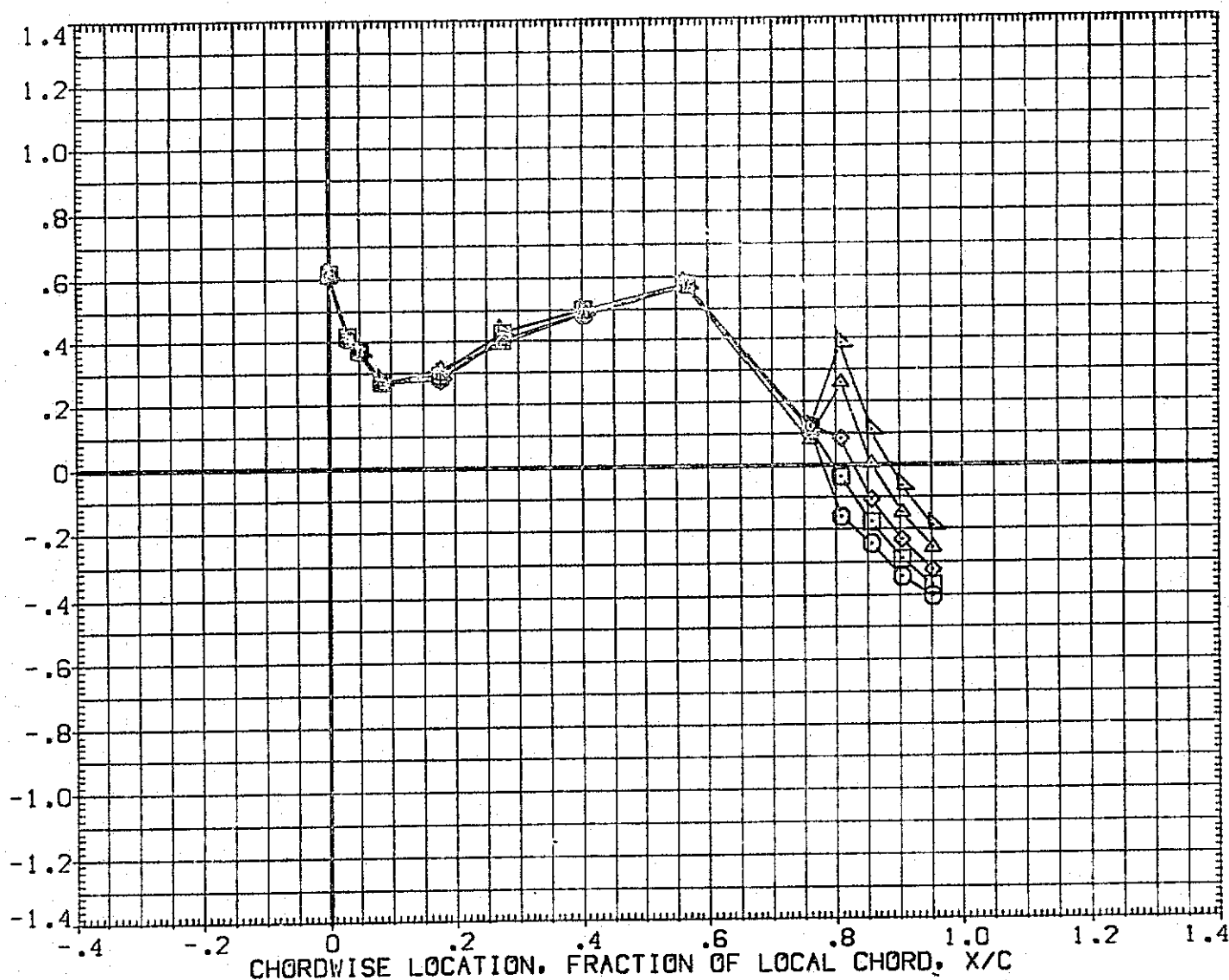


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L63}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	-4.000	.000	-4.000	-4.000
{AF7L43}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L48}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L53}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L58}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

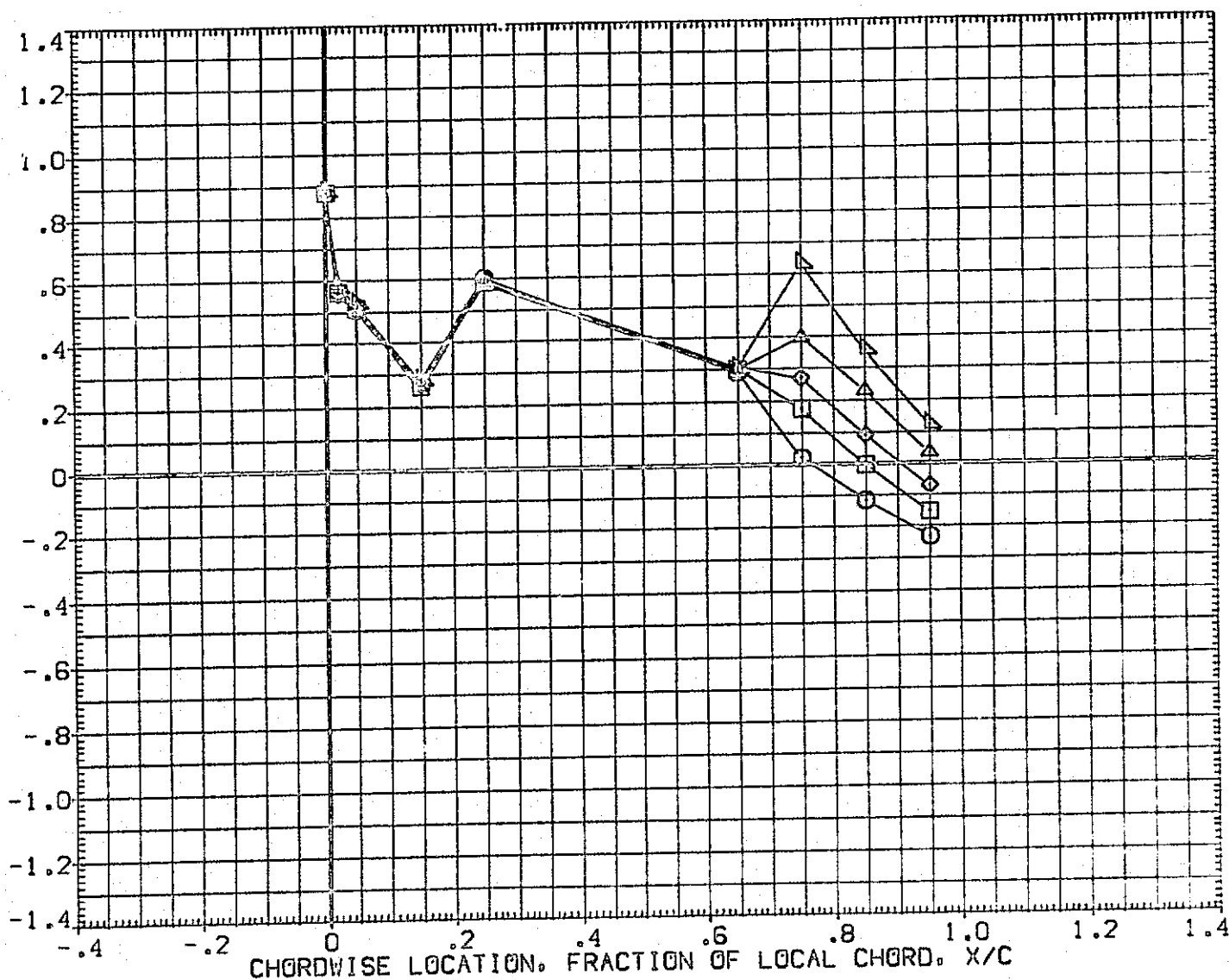


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

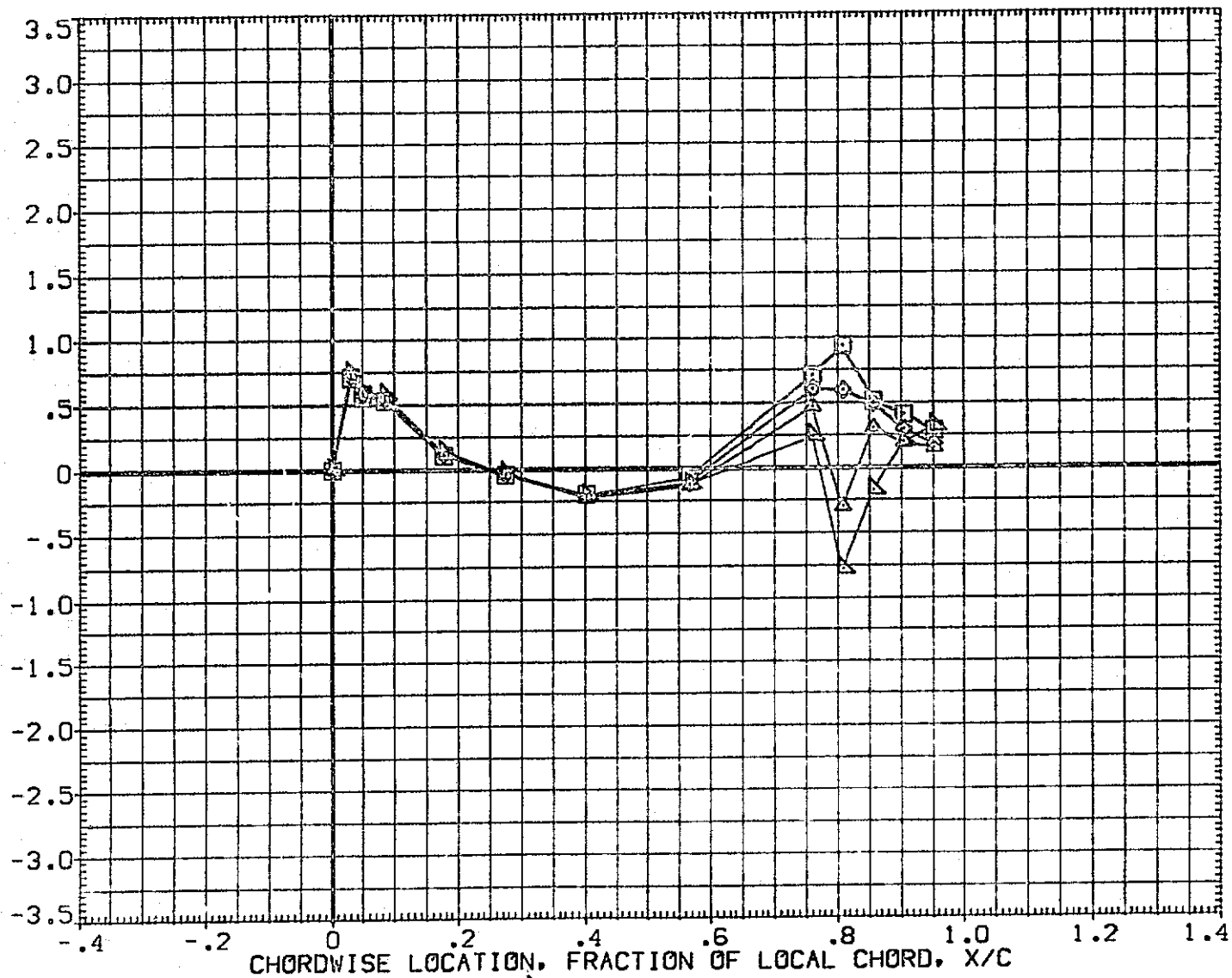


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7053) □ DATA NOT AVAILABLE
 (AF7043) IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
 (AF7048) IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
 (AF7053) IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
 (AF7053) IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

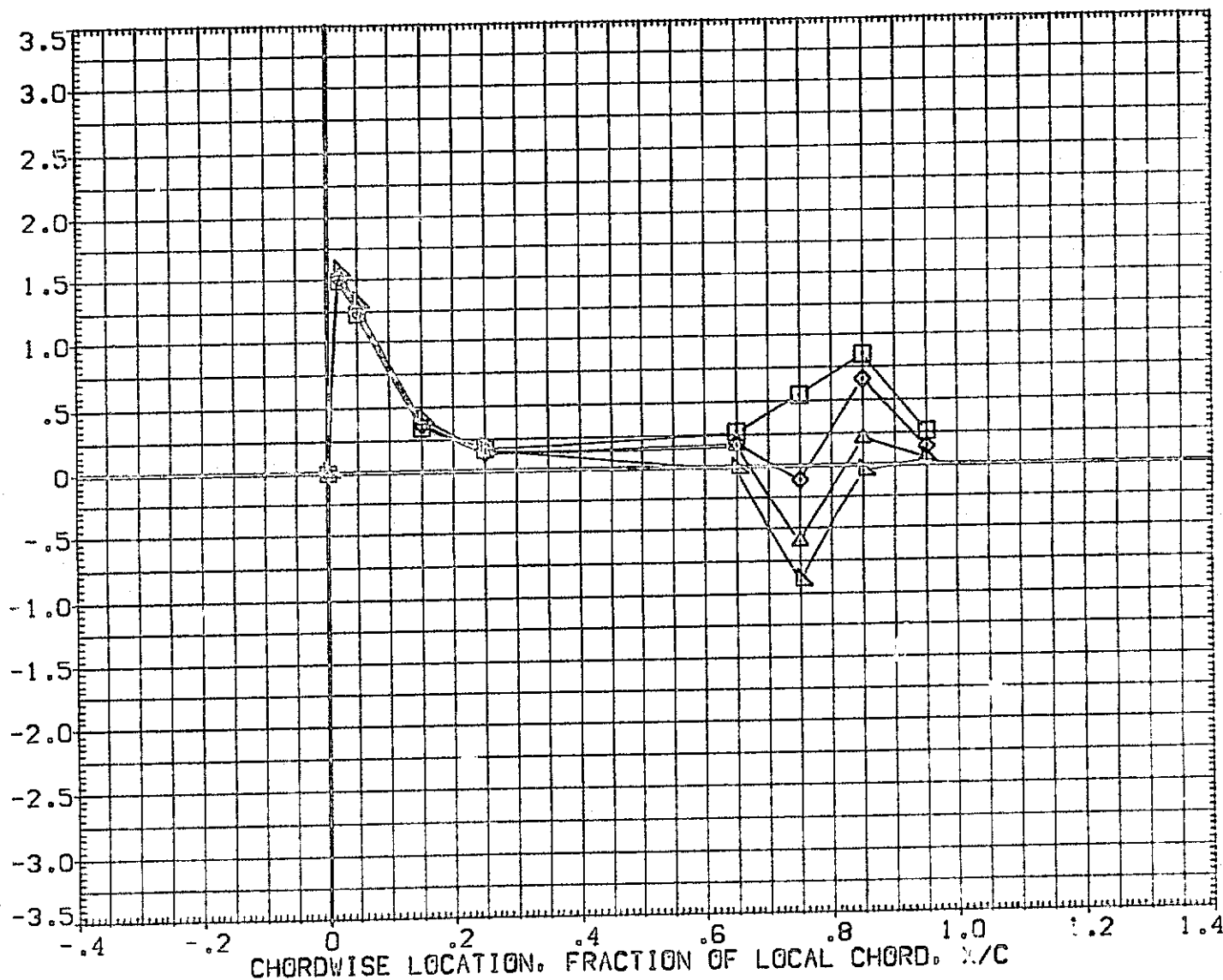


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

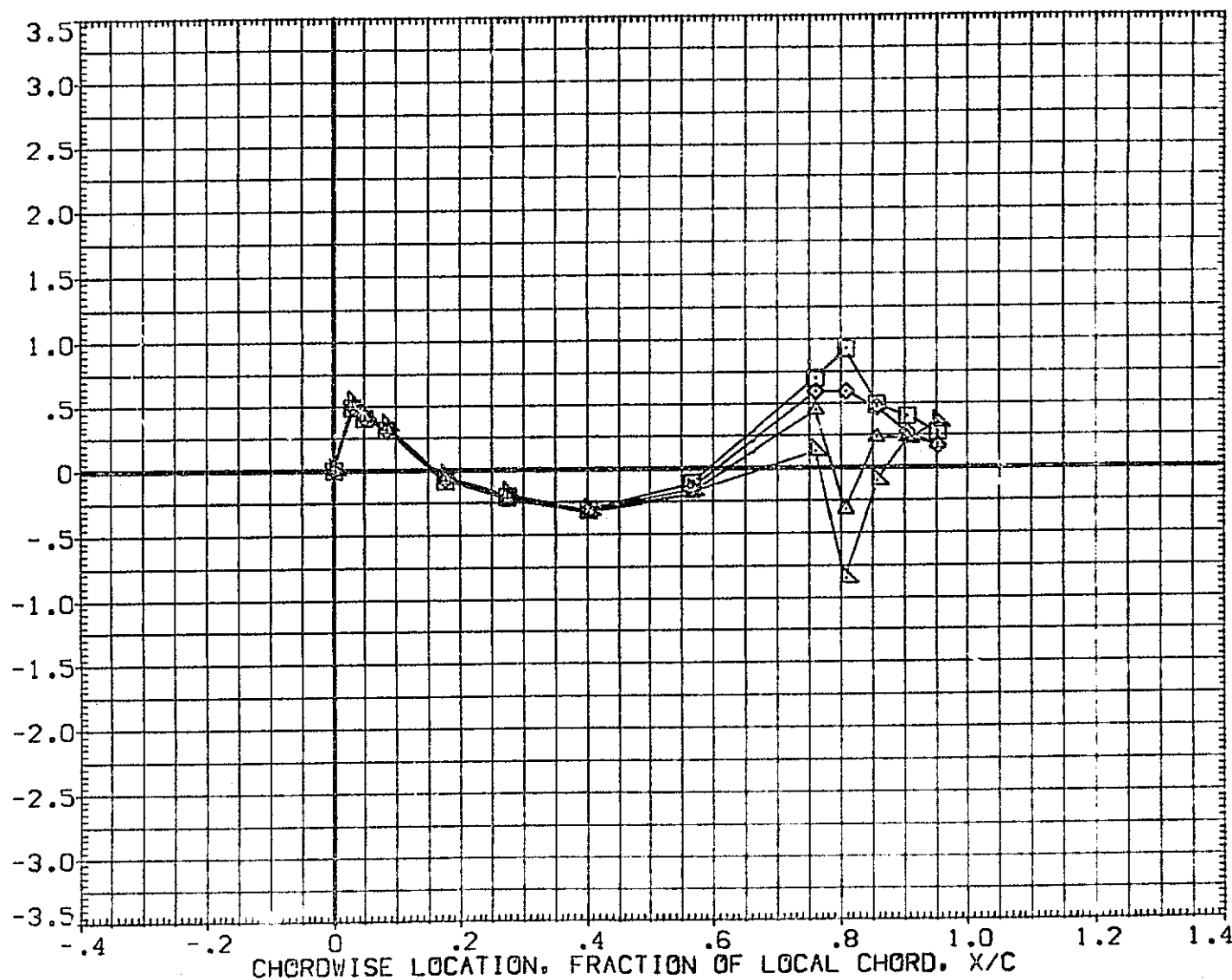


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

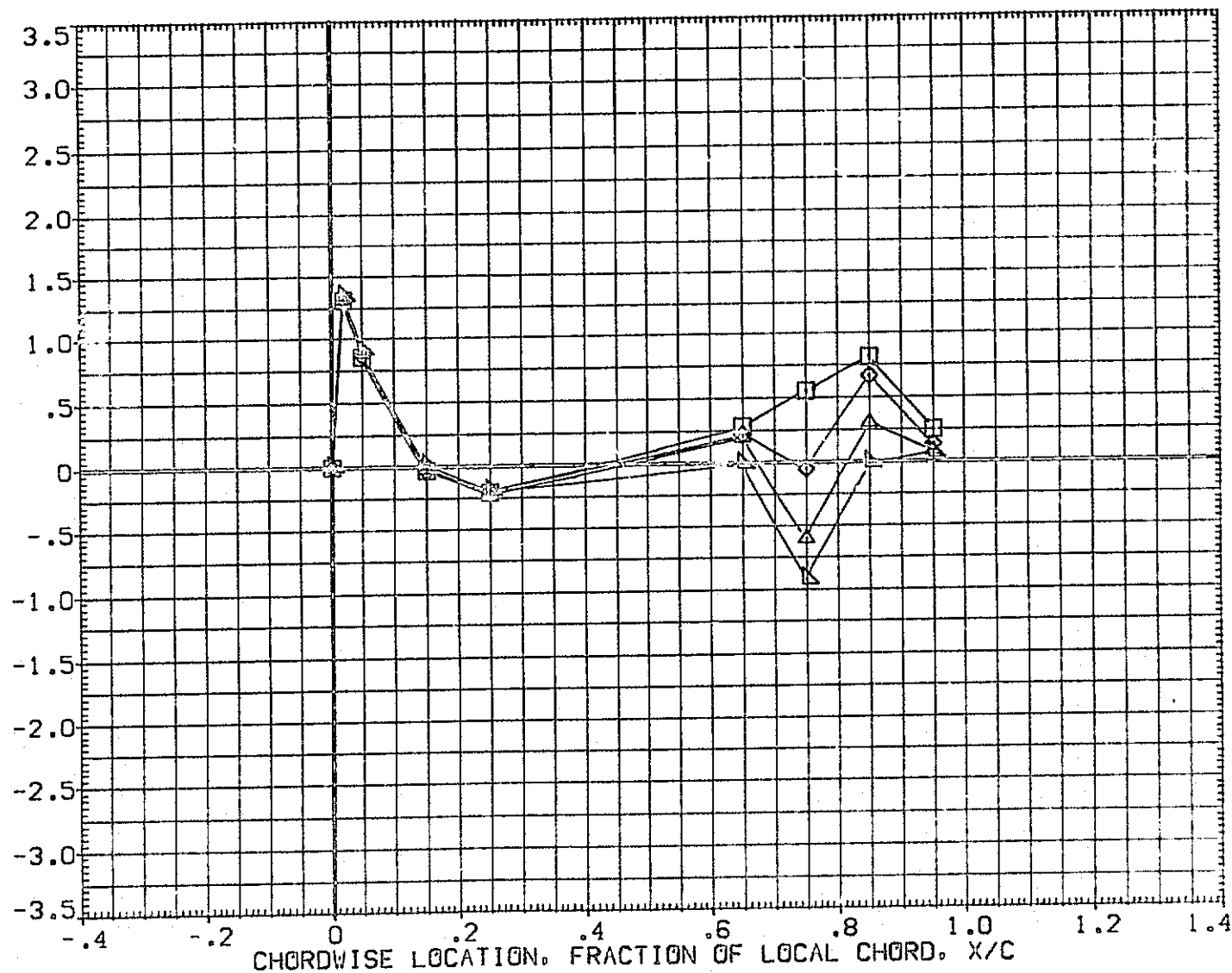


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

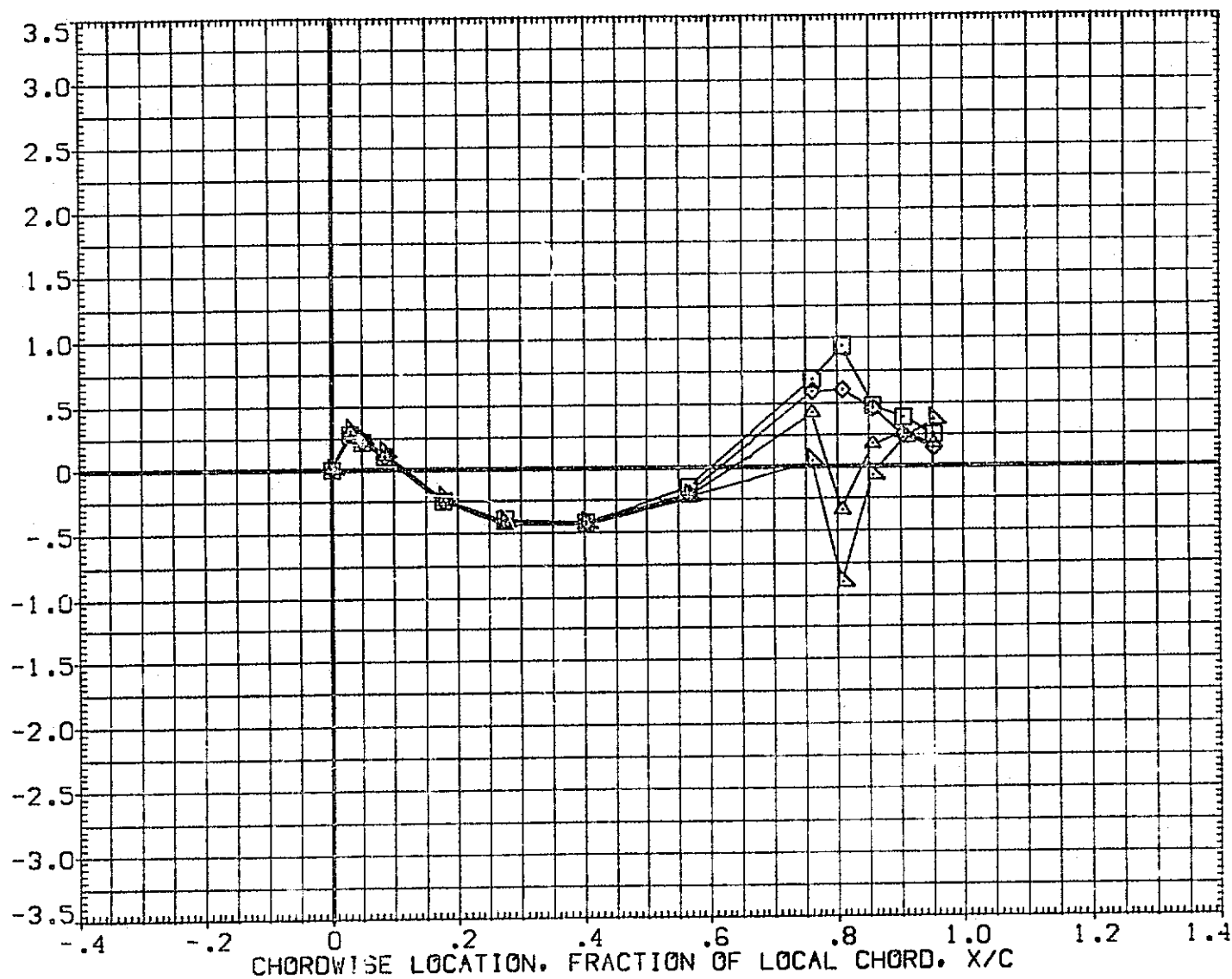


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$

MACH = .900 ALPHA = -4.000 $2Y/B = .436$

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7053]	DATA NOT AVAILABLE
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

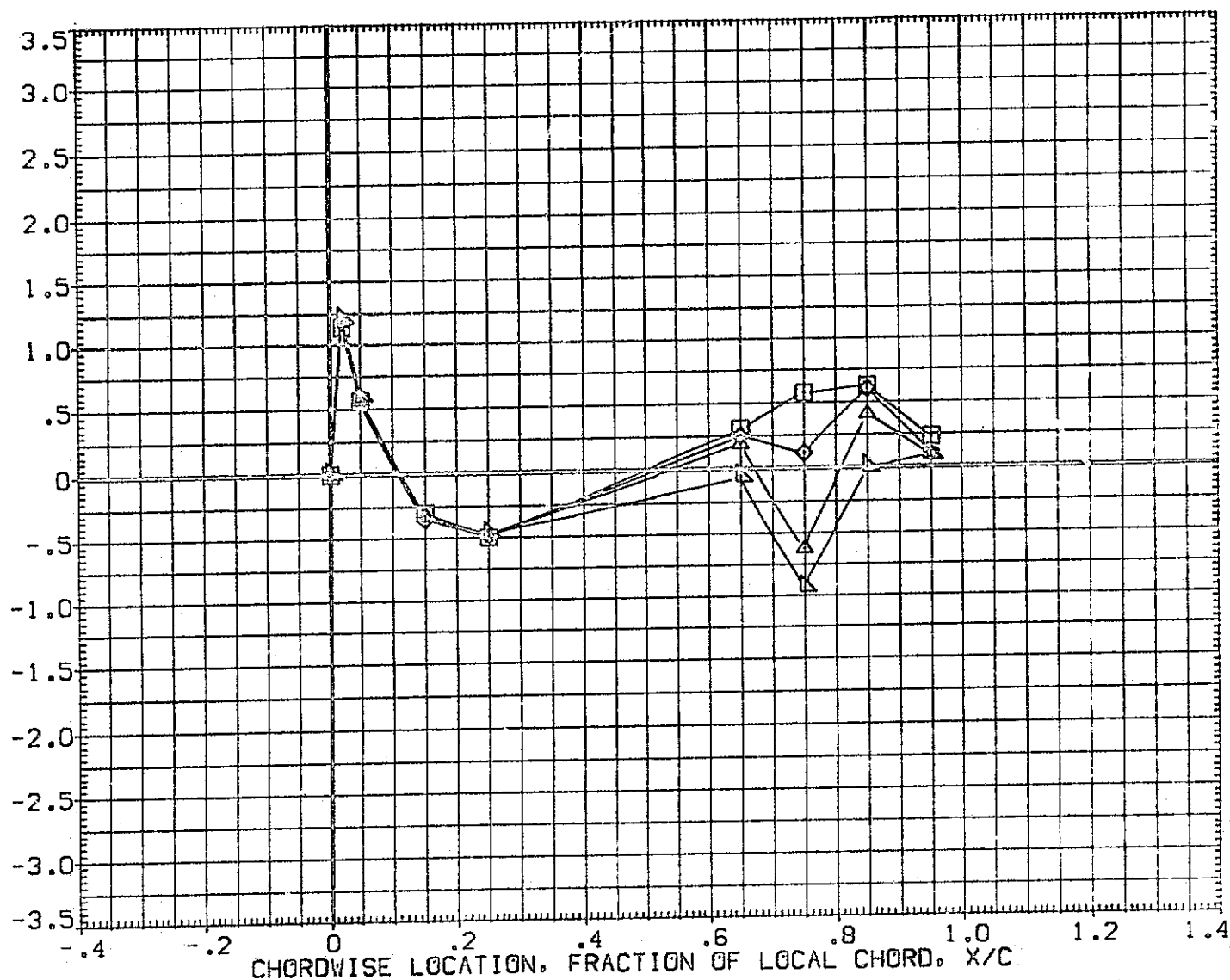


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-7	ELV-3	ELV-4
[AF70S3]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, CDP

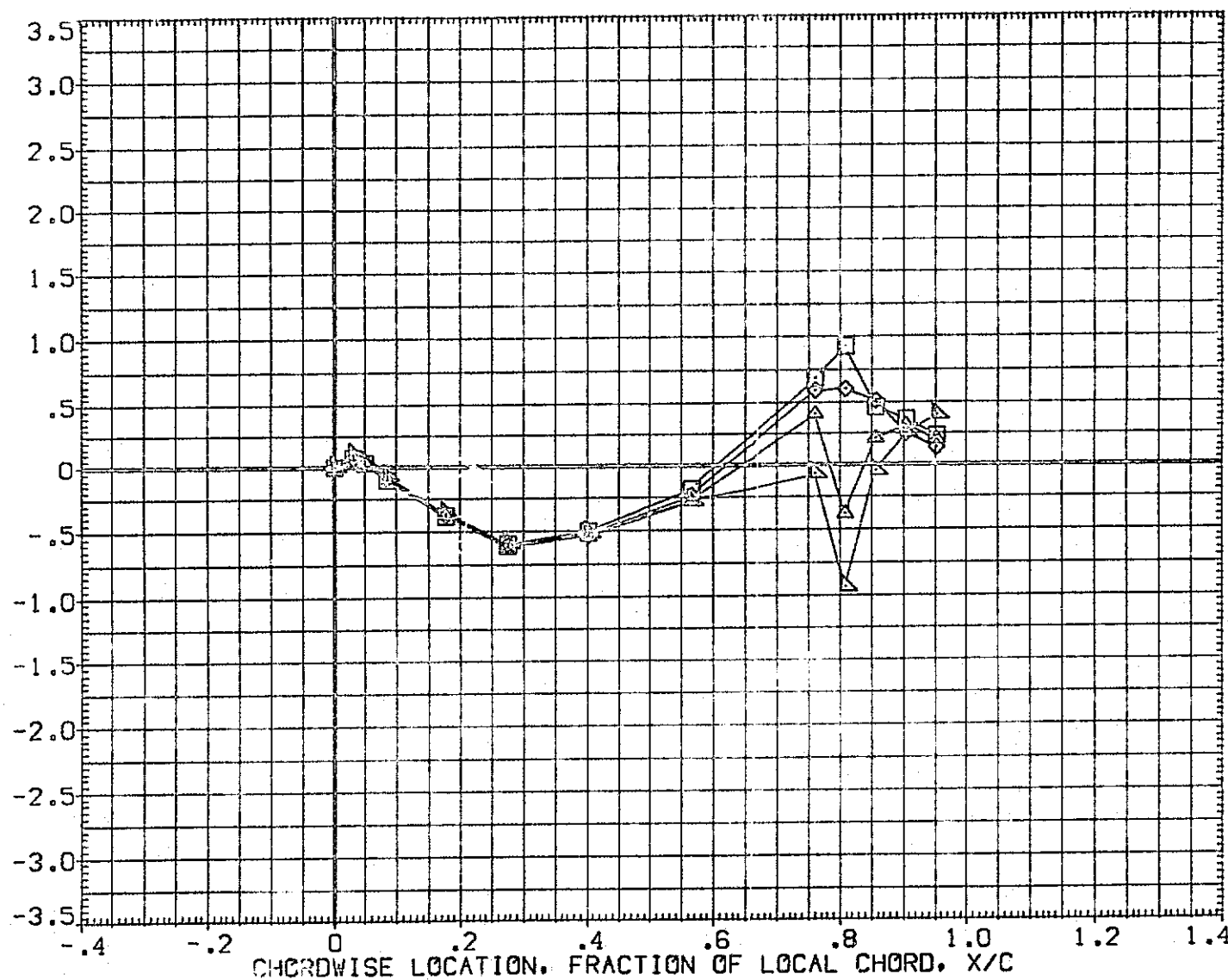


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -2.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

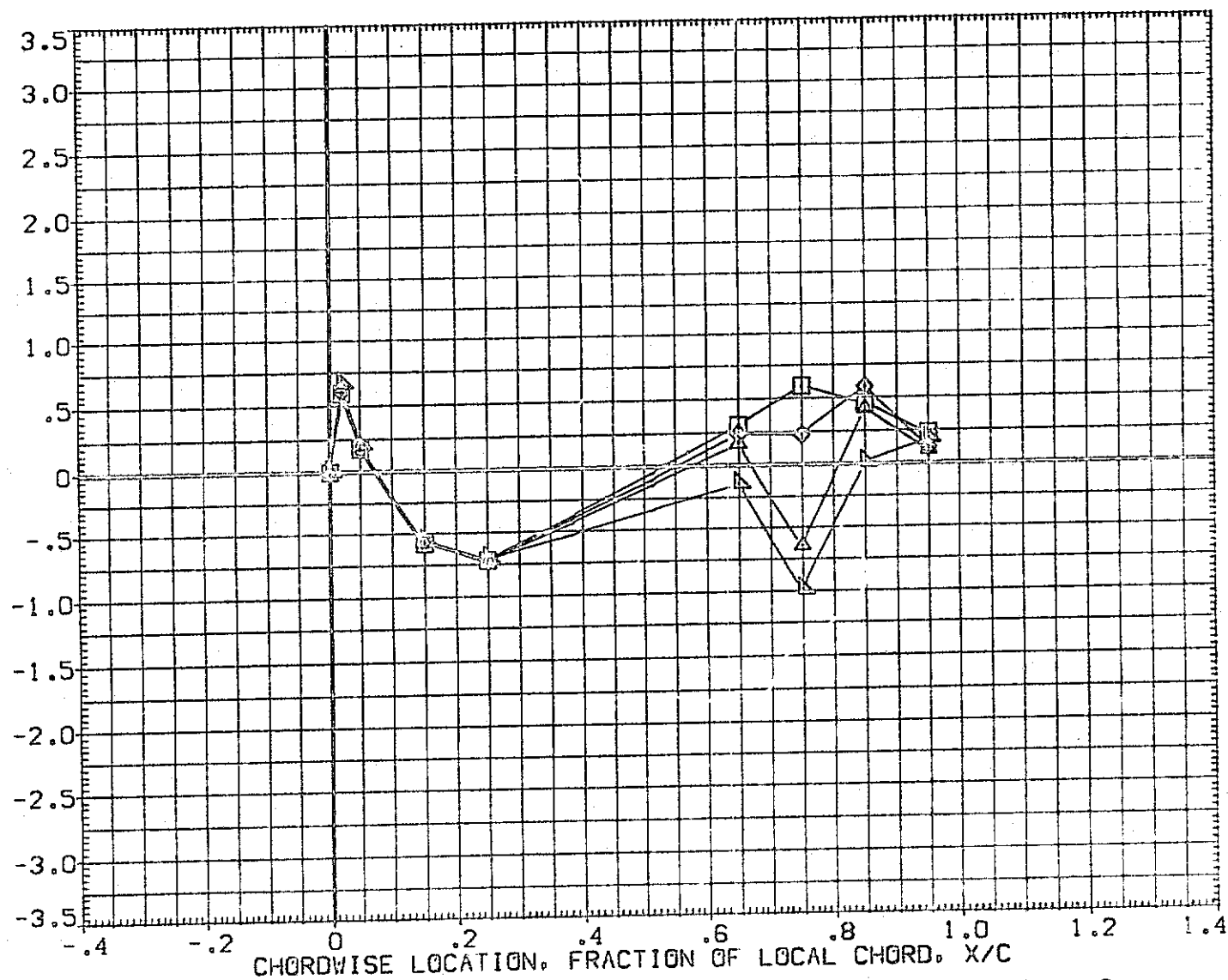


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7063}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7043}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7048}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7053}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7058}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

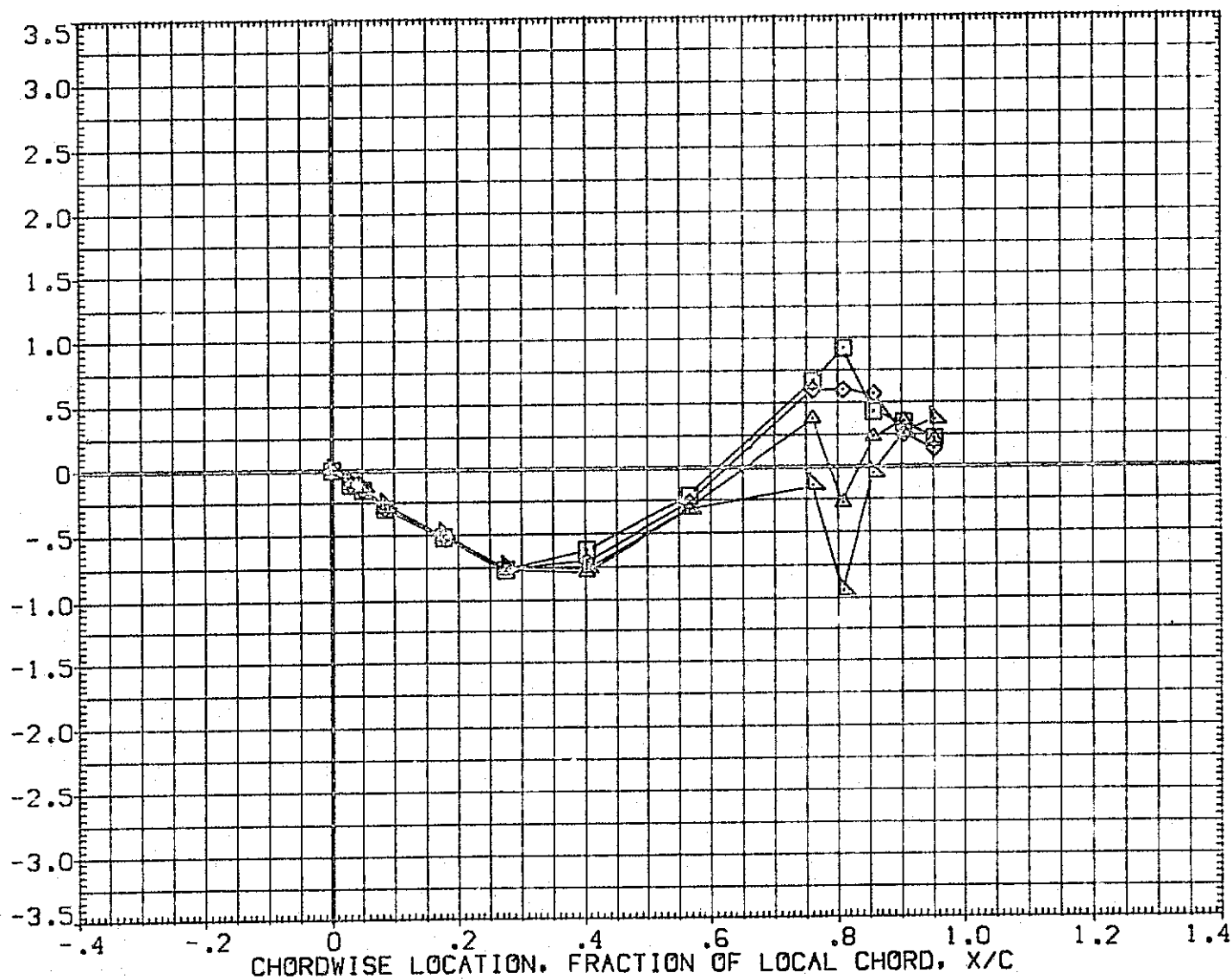


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7053]	DATA NOT AVAILABLE
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

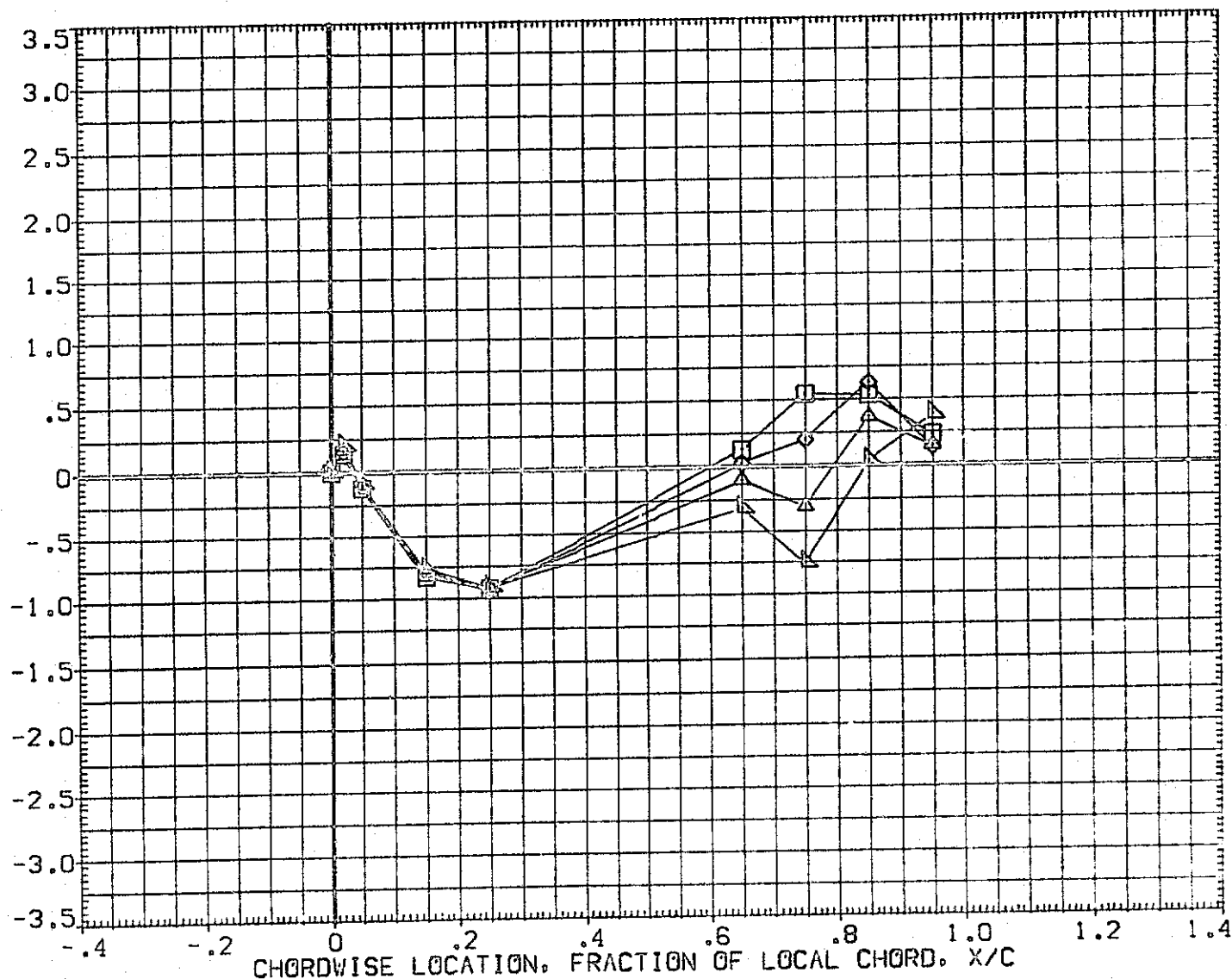


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = .000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE				
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7059)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
		8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

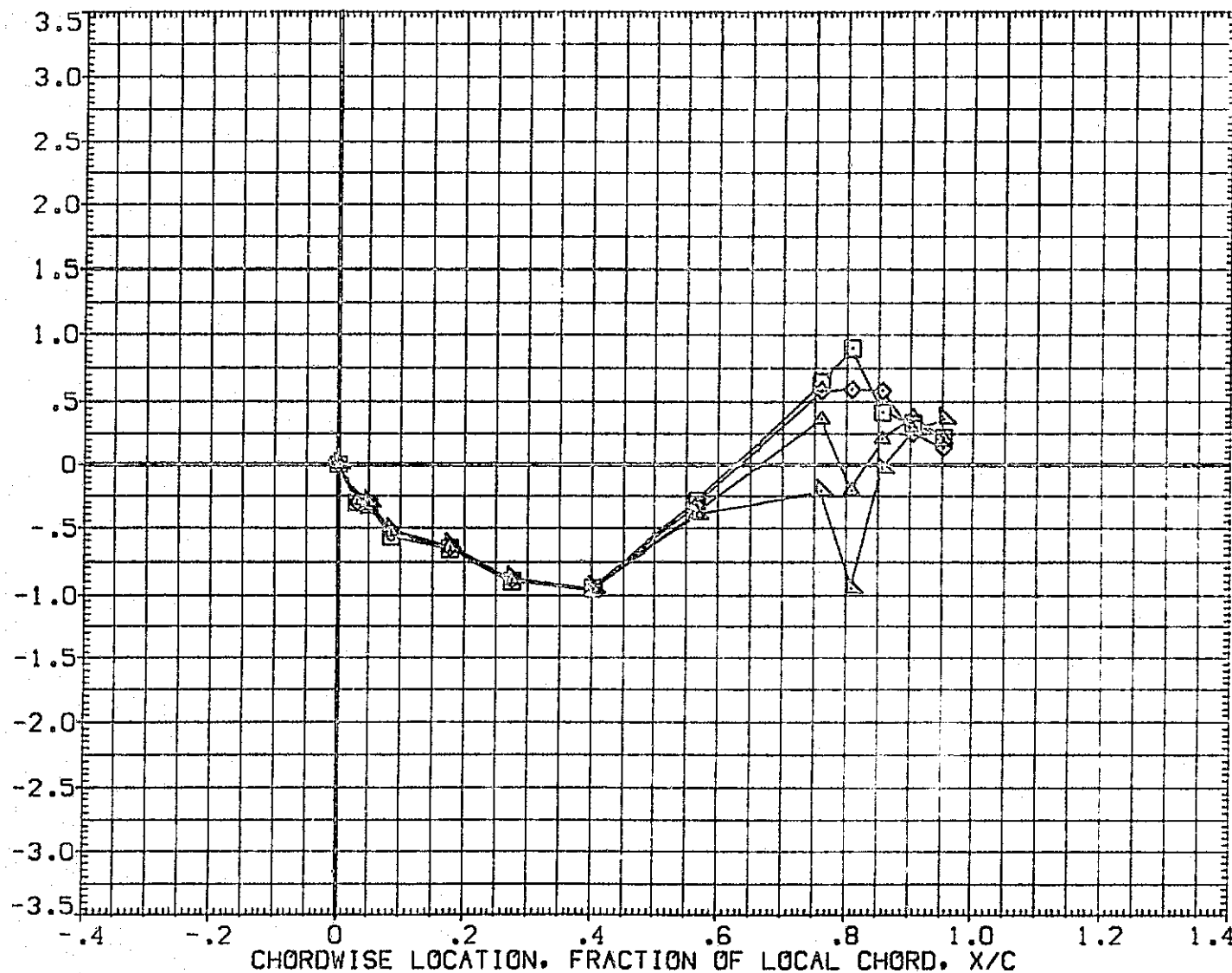


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7063] DATA NOT AVAILABLE

[AF7043] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

[AF7048] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

[AF7053] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

[AF7058] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

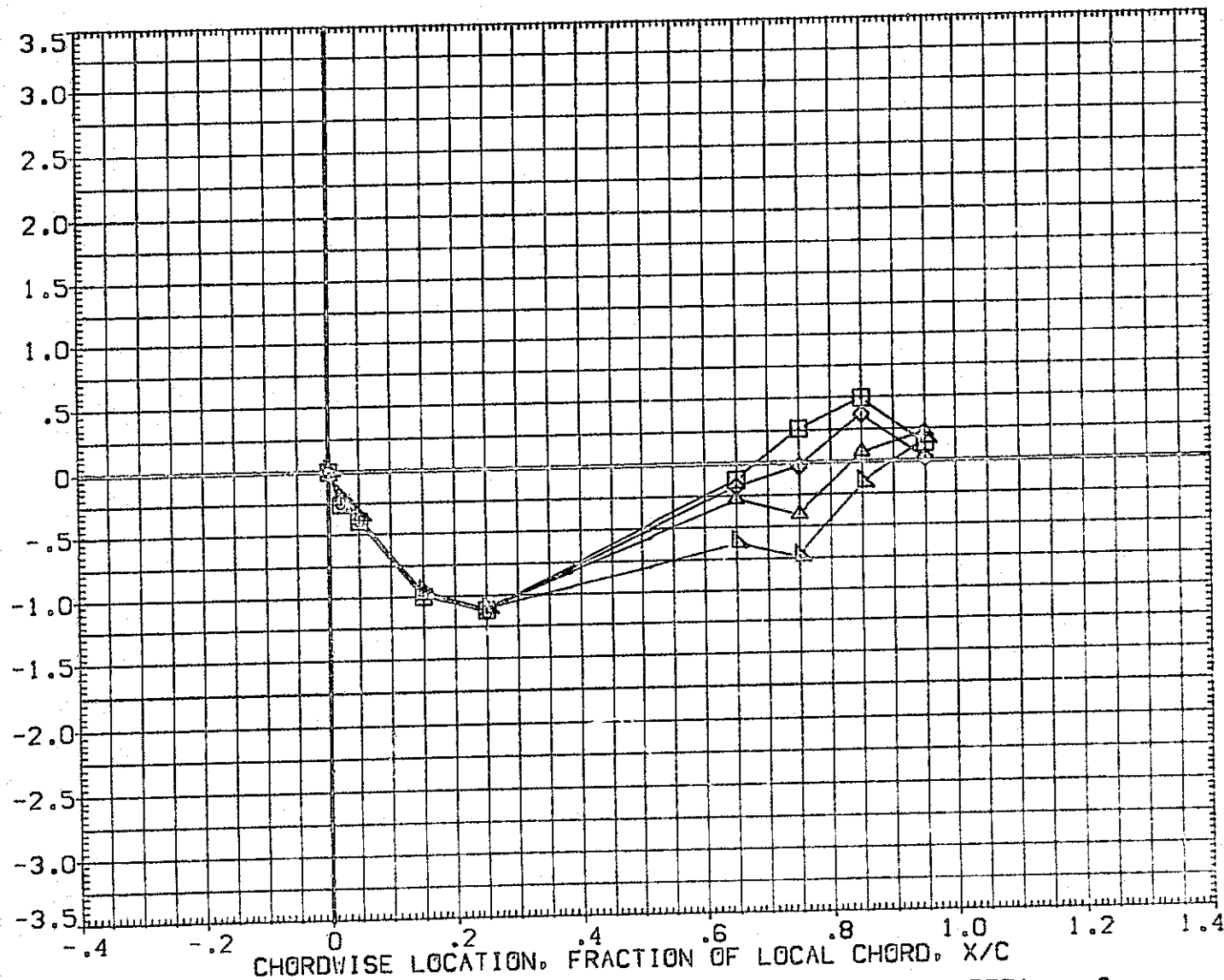


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA7D 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA7D 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA7D 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA7D 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

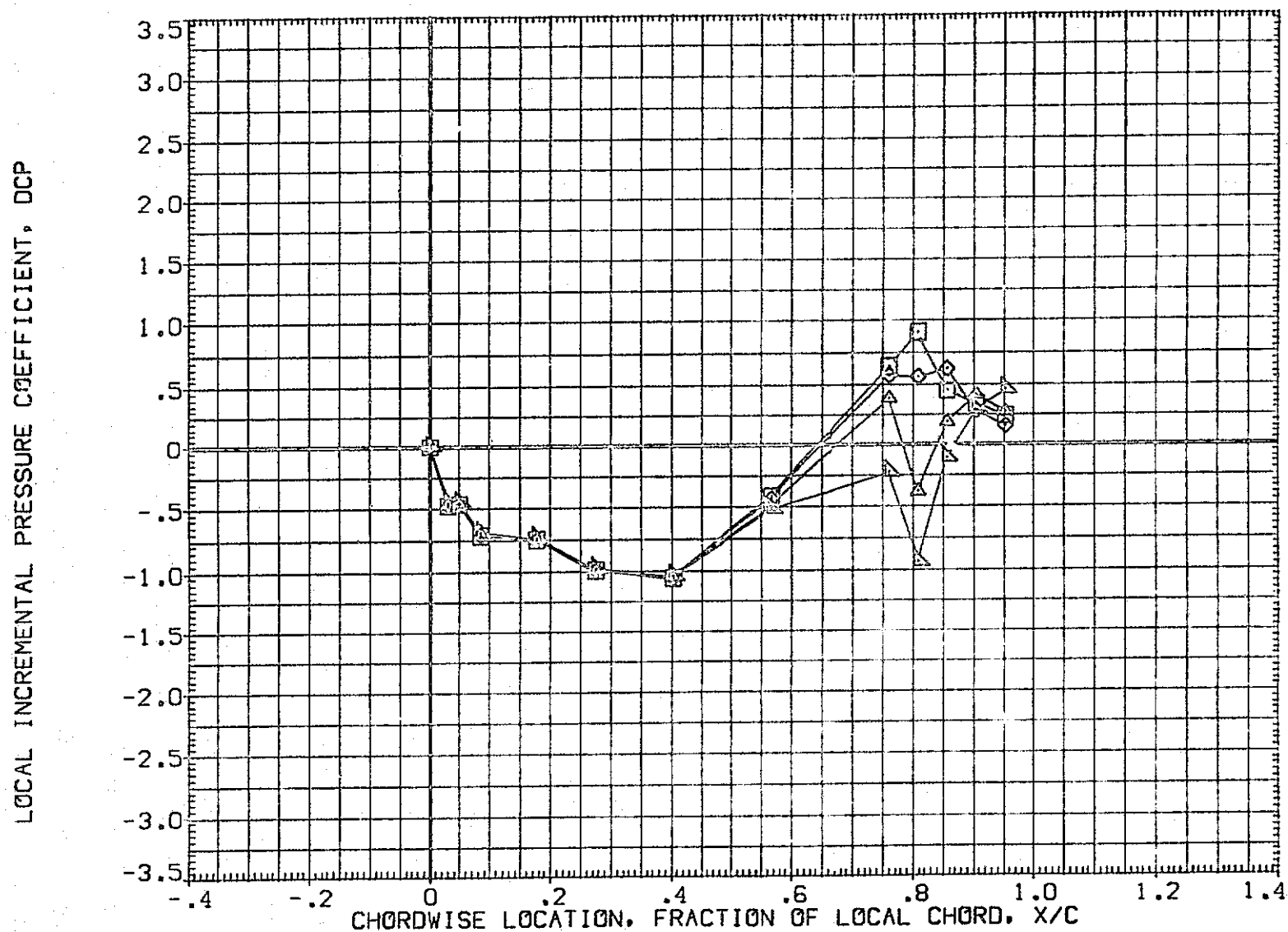


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

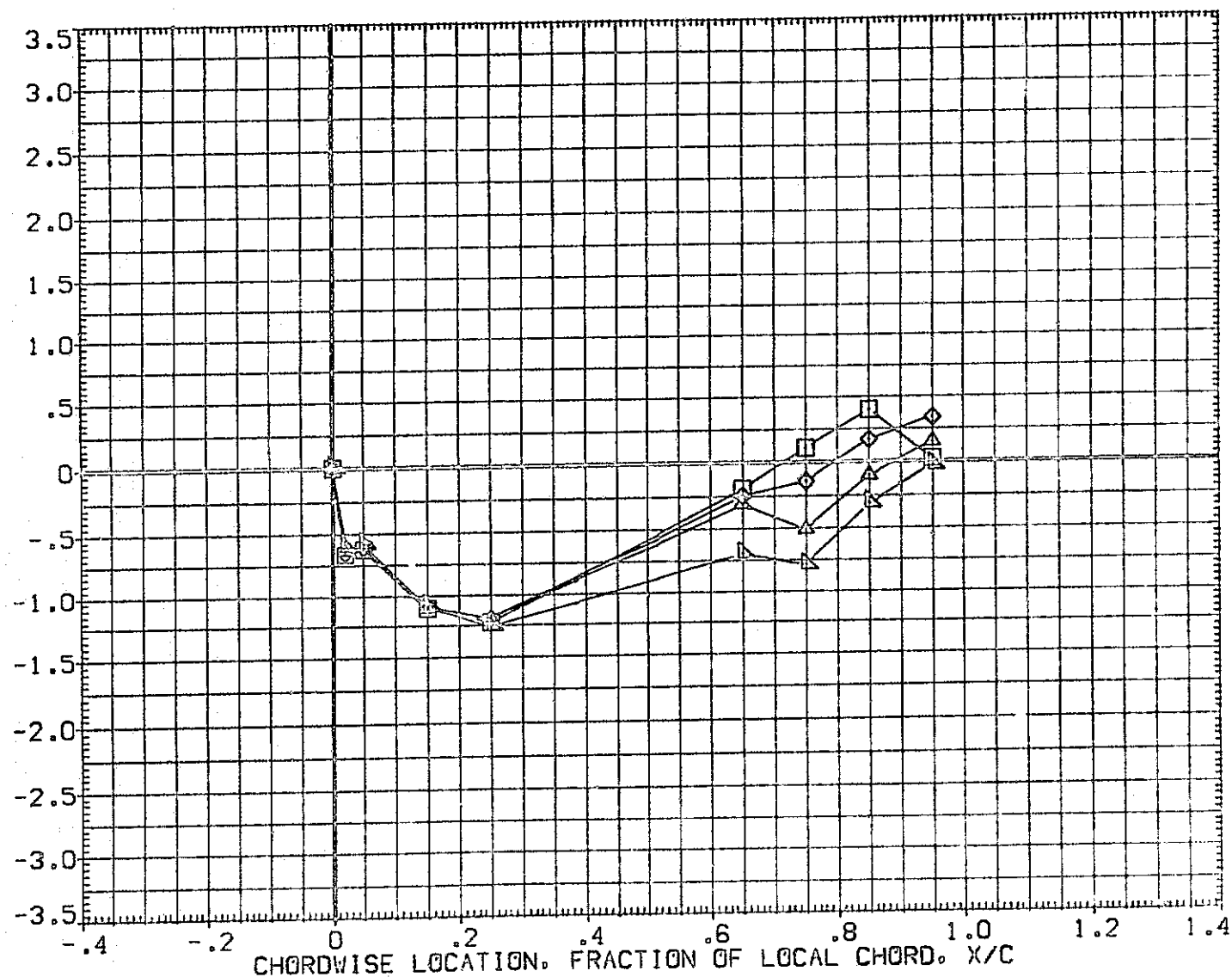


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

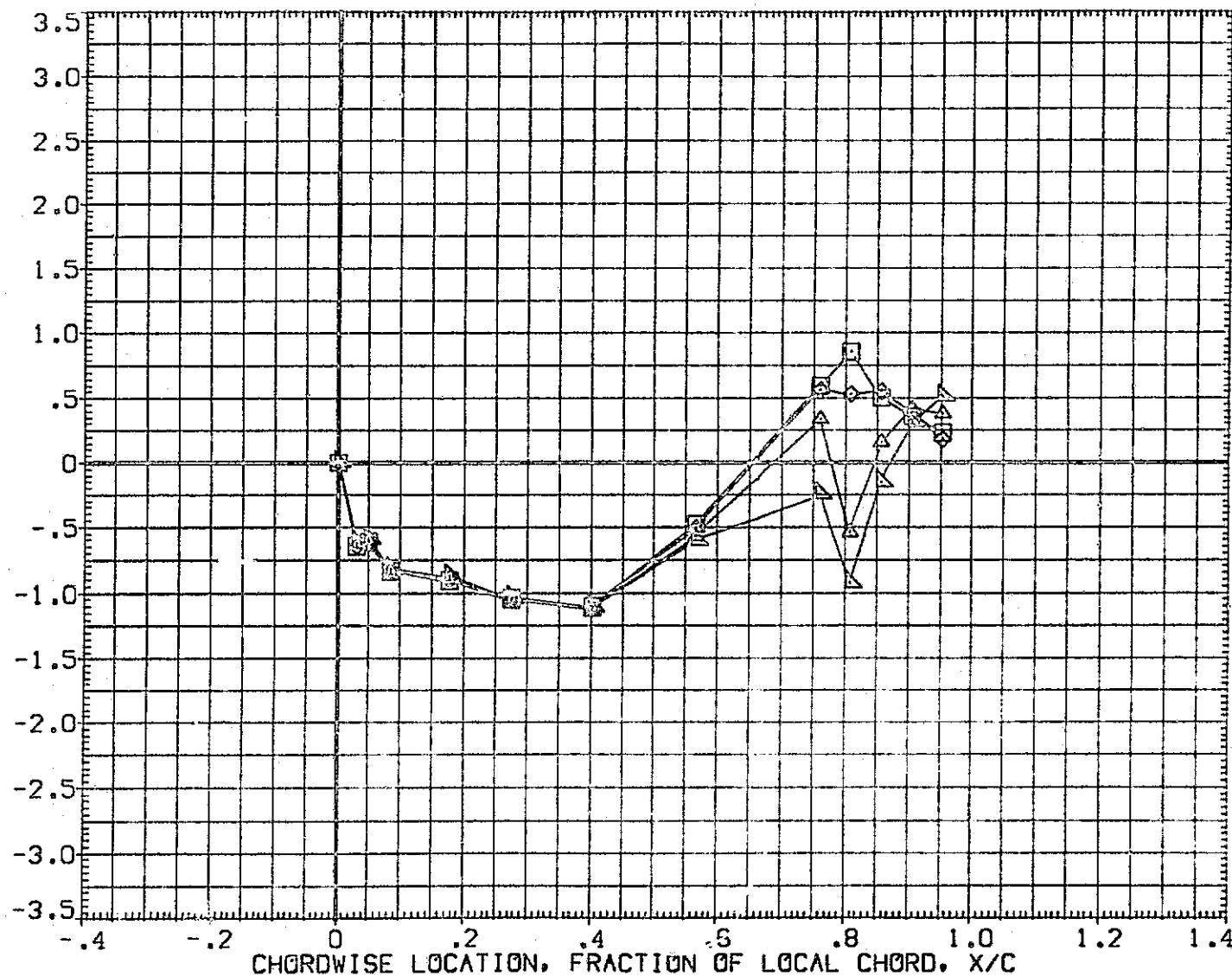


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 6.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

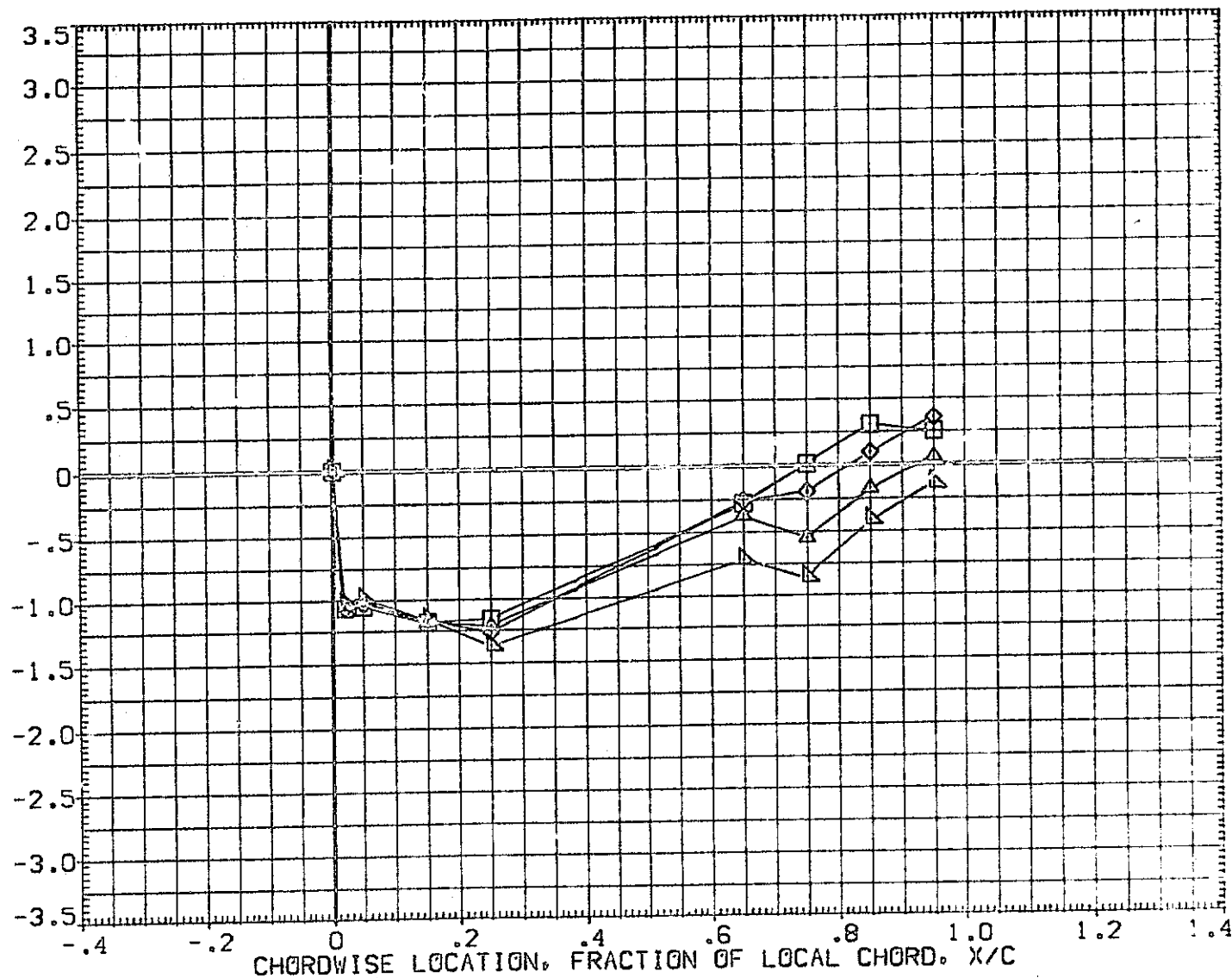


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

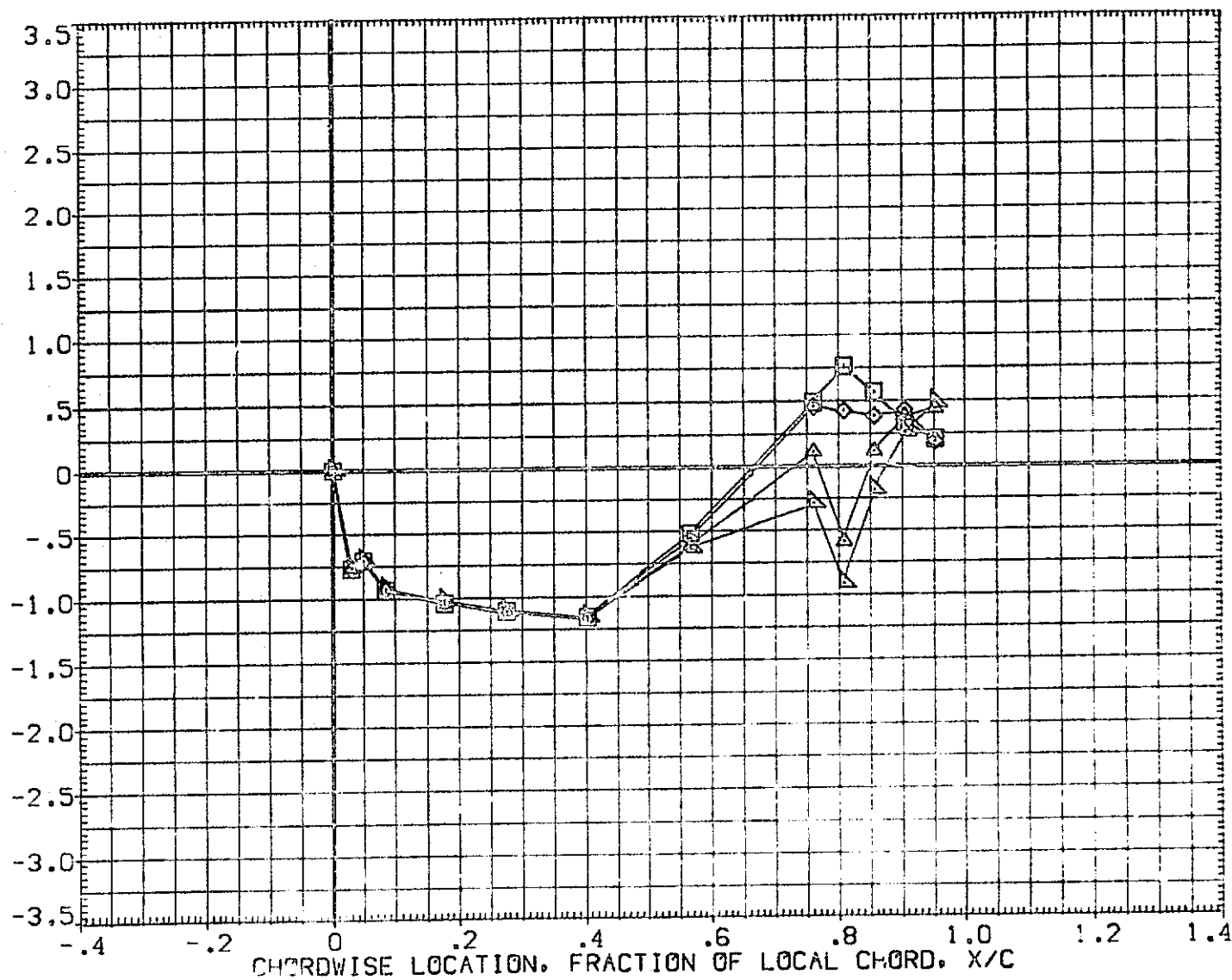


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = .900 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

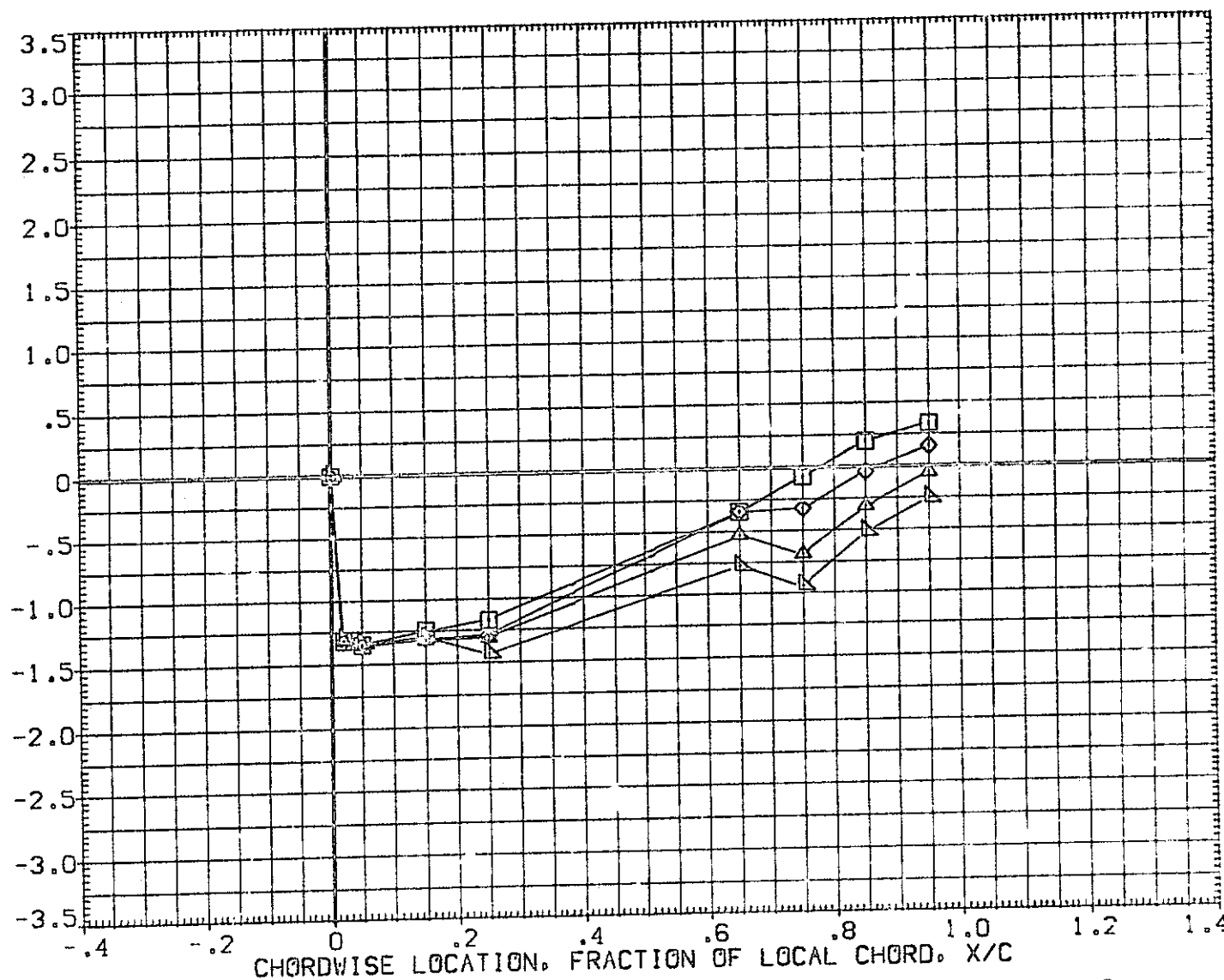


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = .900 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

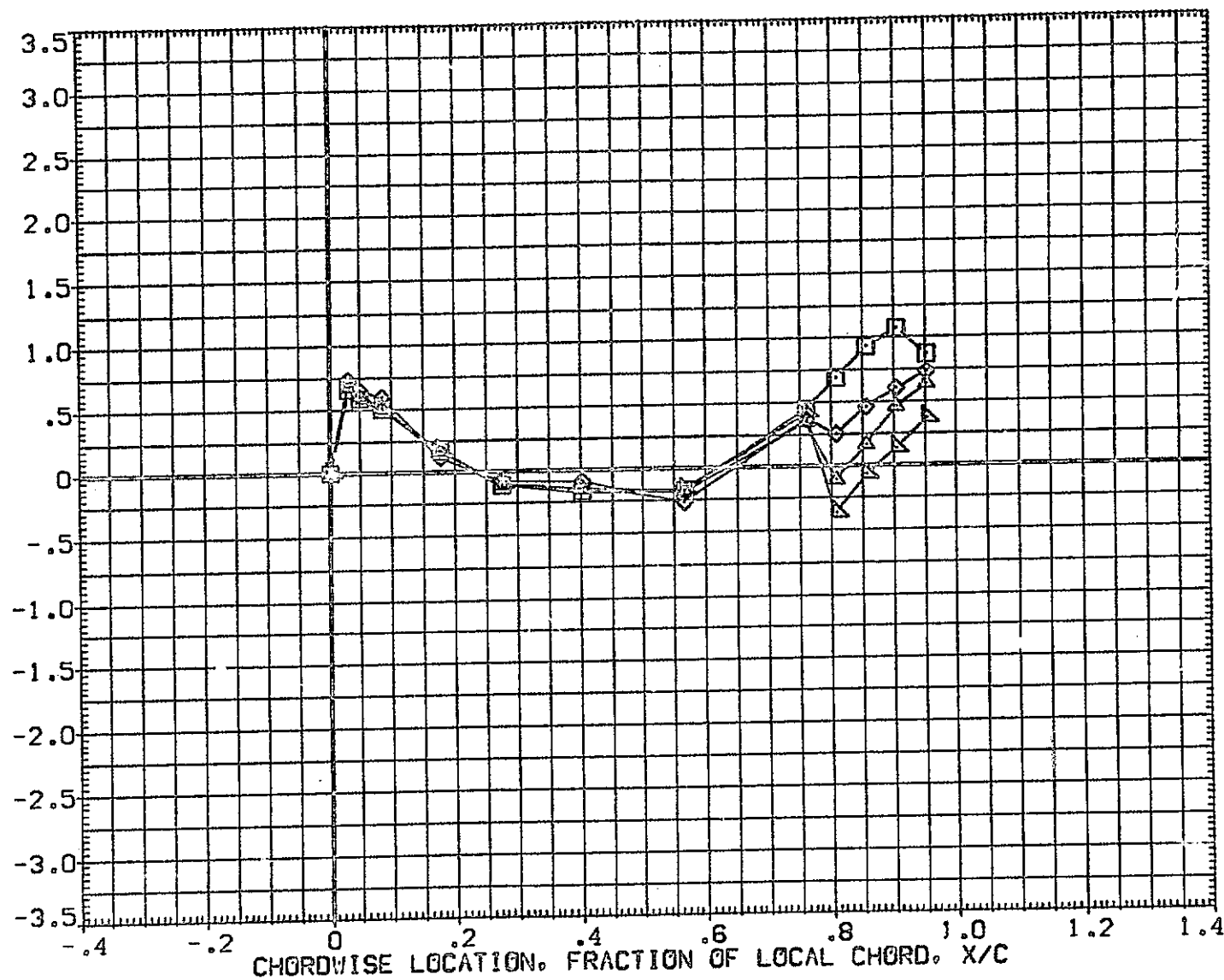


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7046]	IA70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

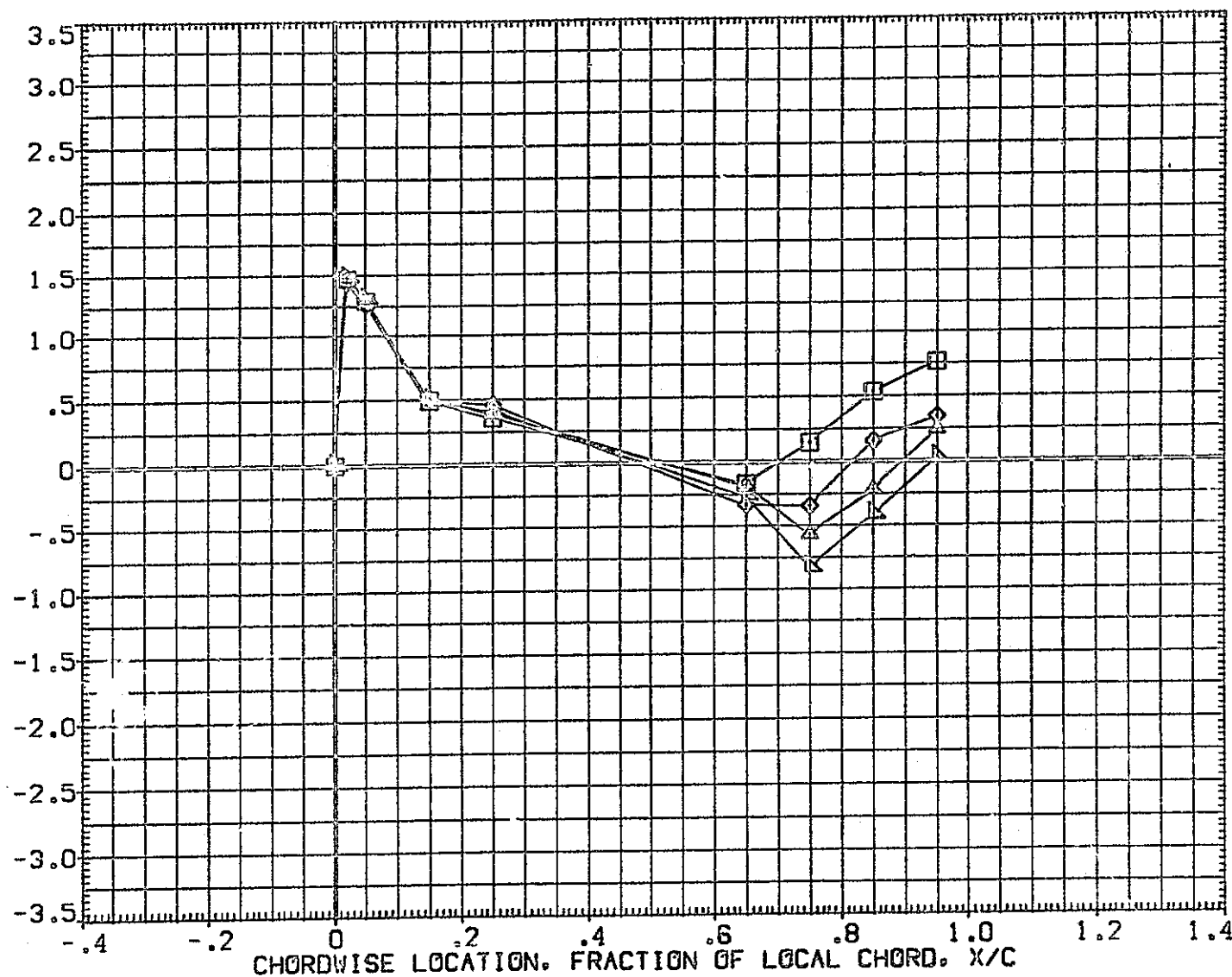


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	8.000	12.000	12.000	12.000

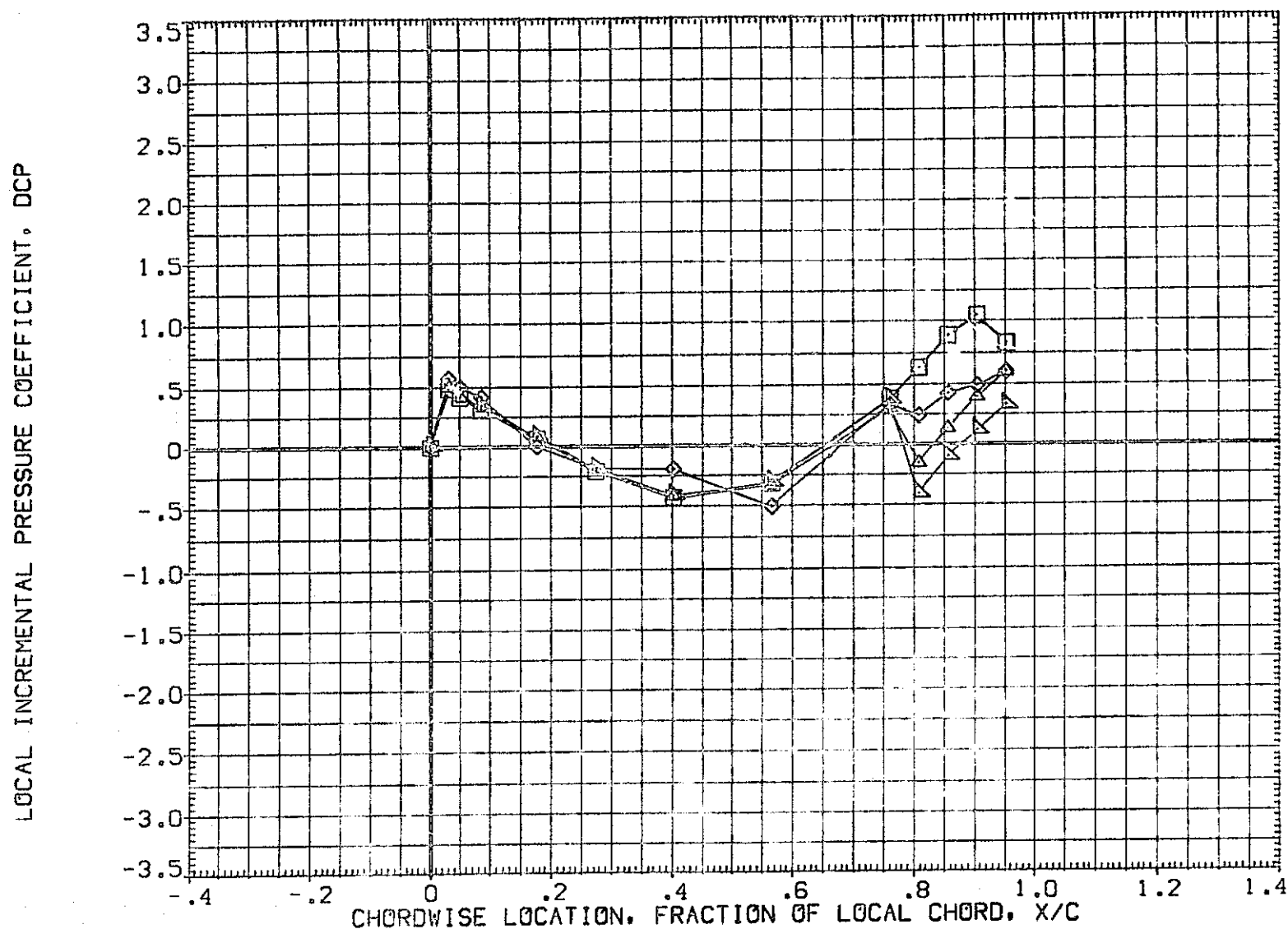


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -6.000 2Y/B .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

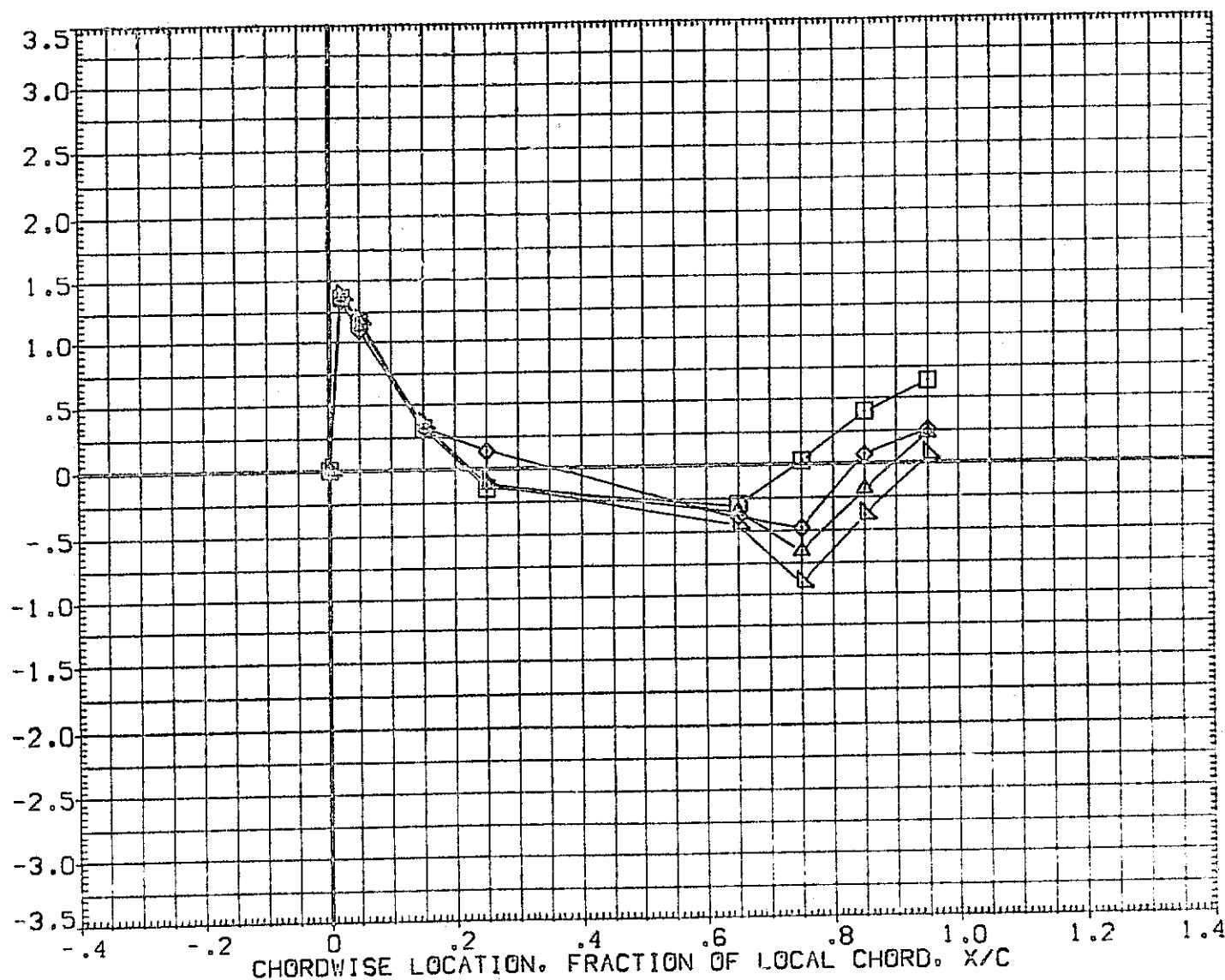


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -6.000 2Y/B = .771 PAGE 362

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

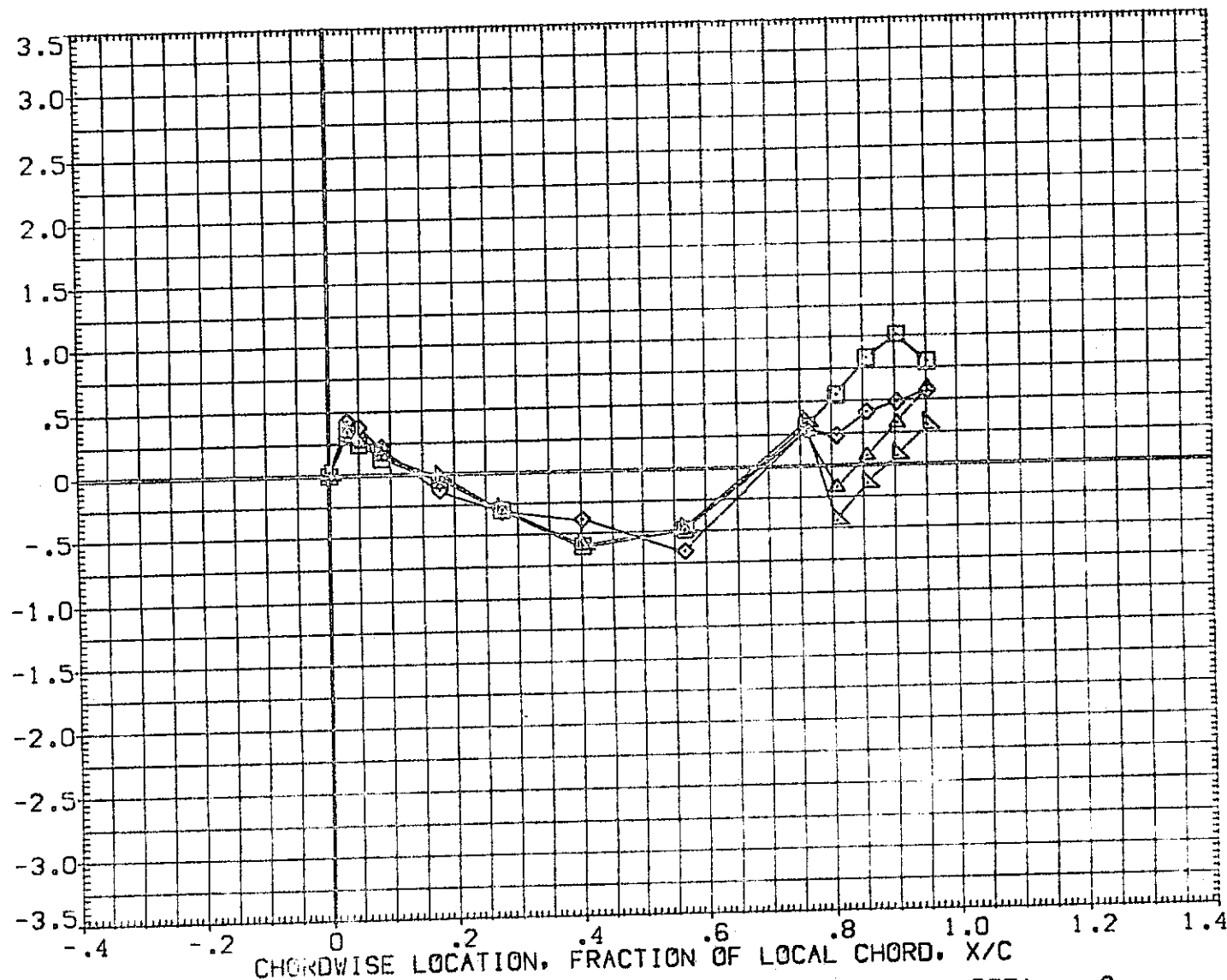


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7053] DATA NOT AVAILABLE

[AF7043] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
 [AF7048] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
 [AF7053] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)
 [AF7058] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

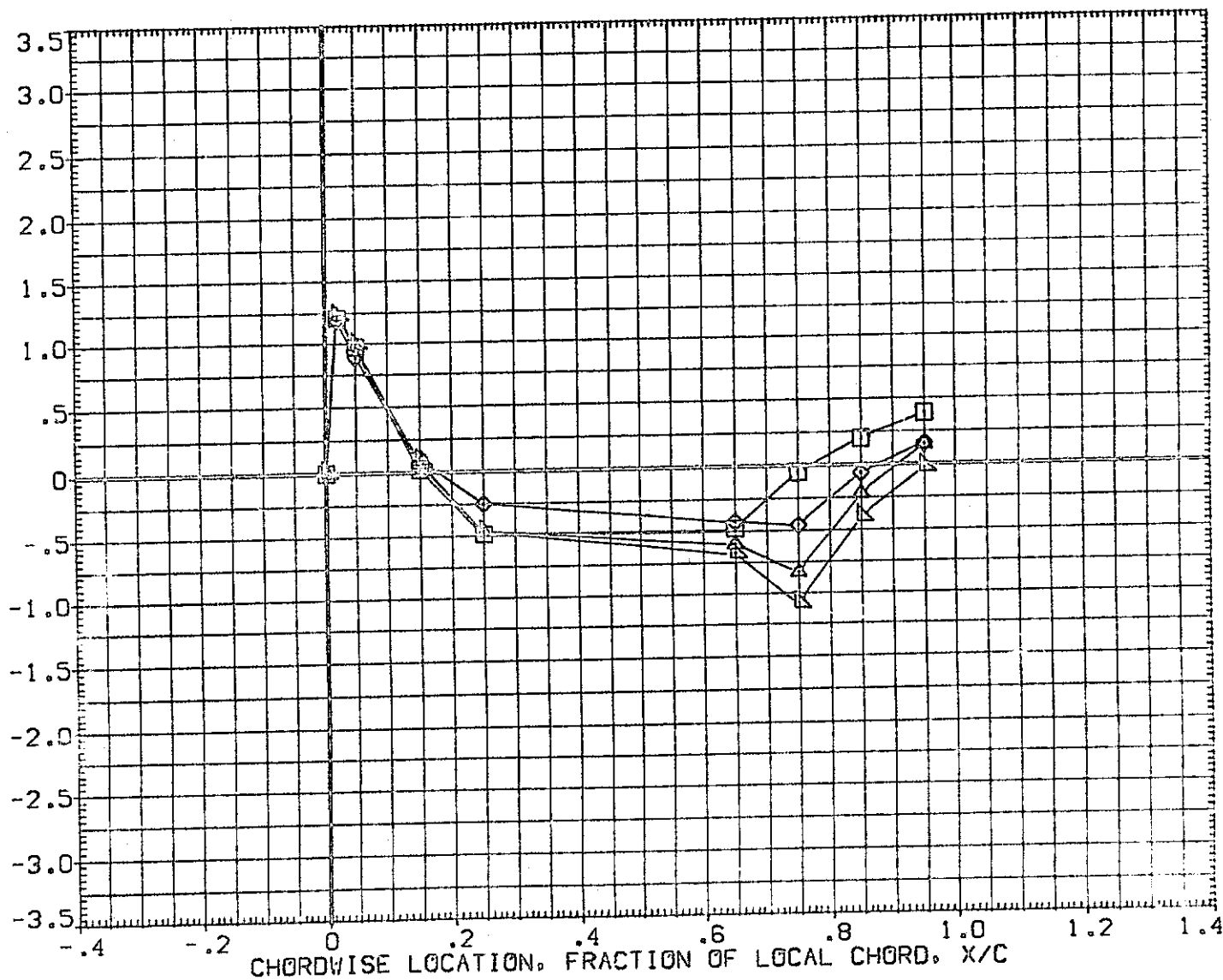


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

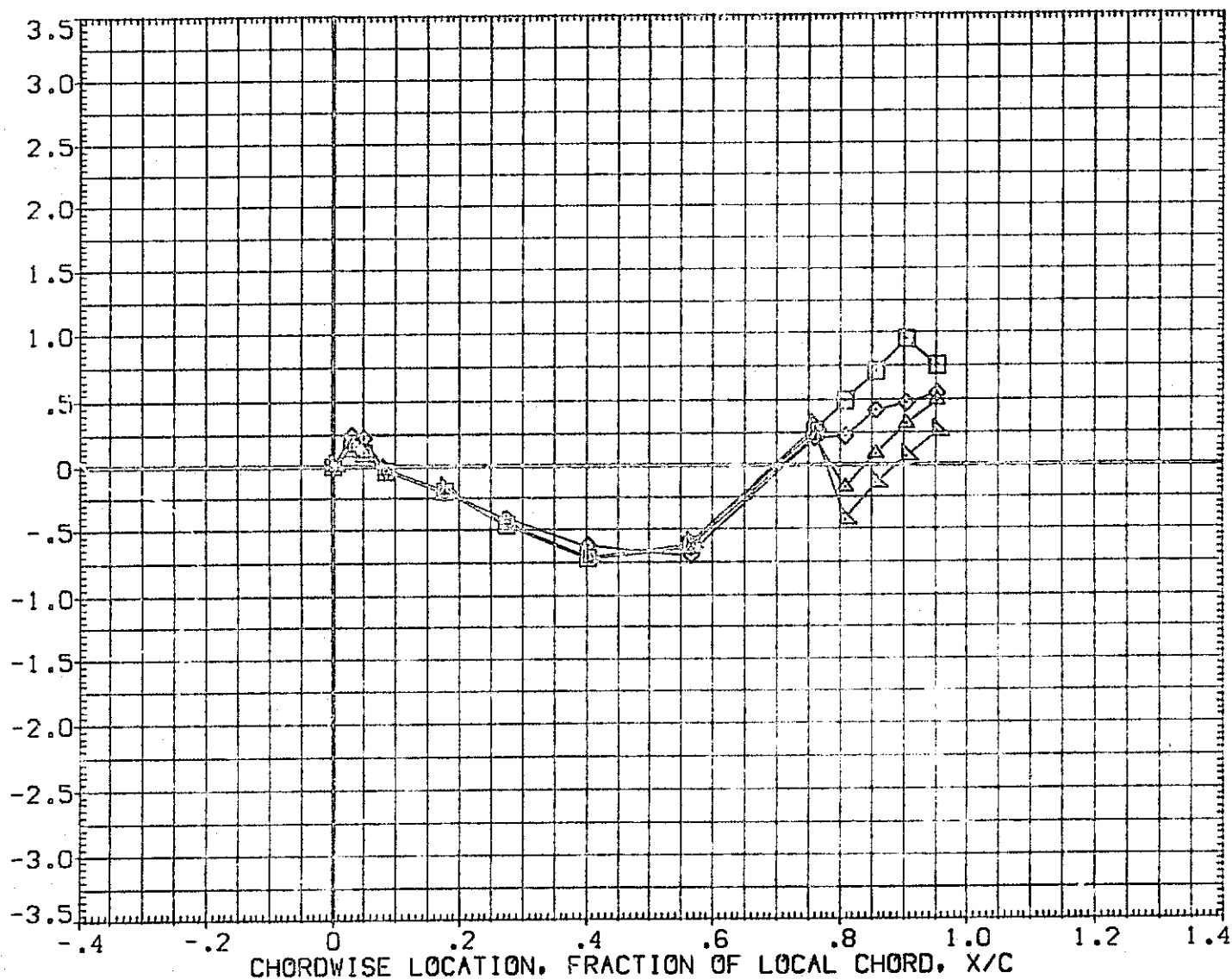


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -2.000 2Y/B .436

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ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

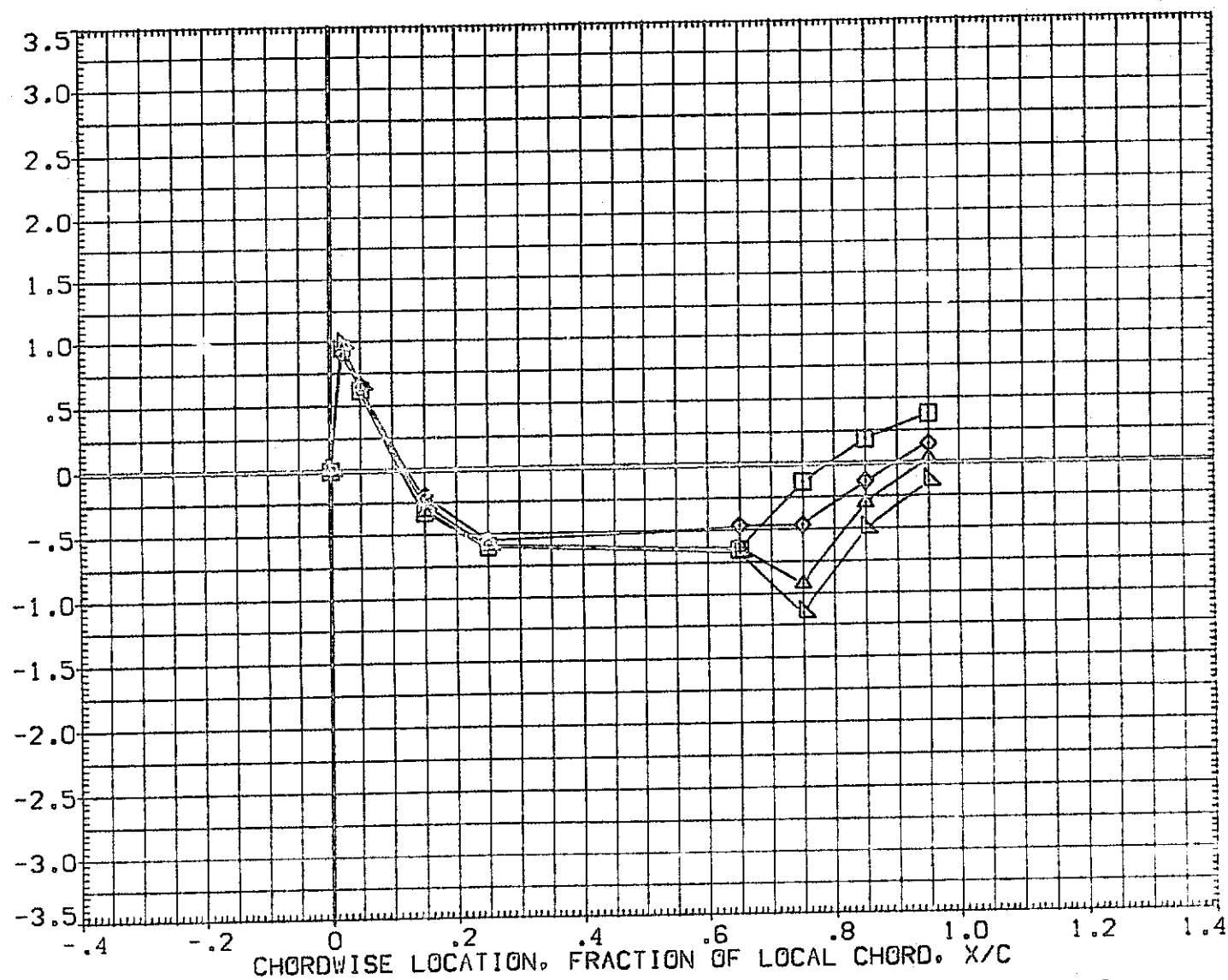


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = -2.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

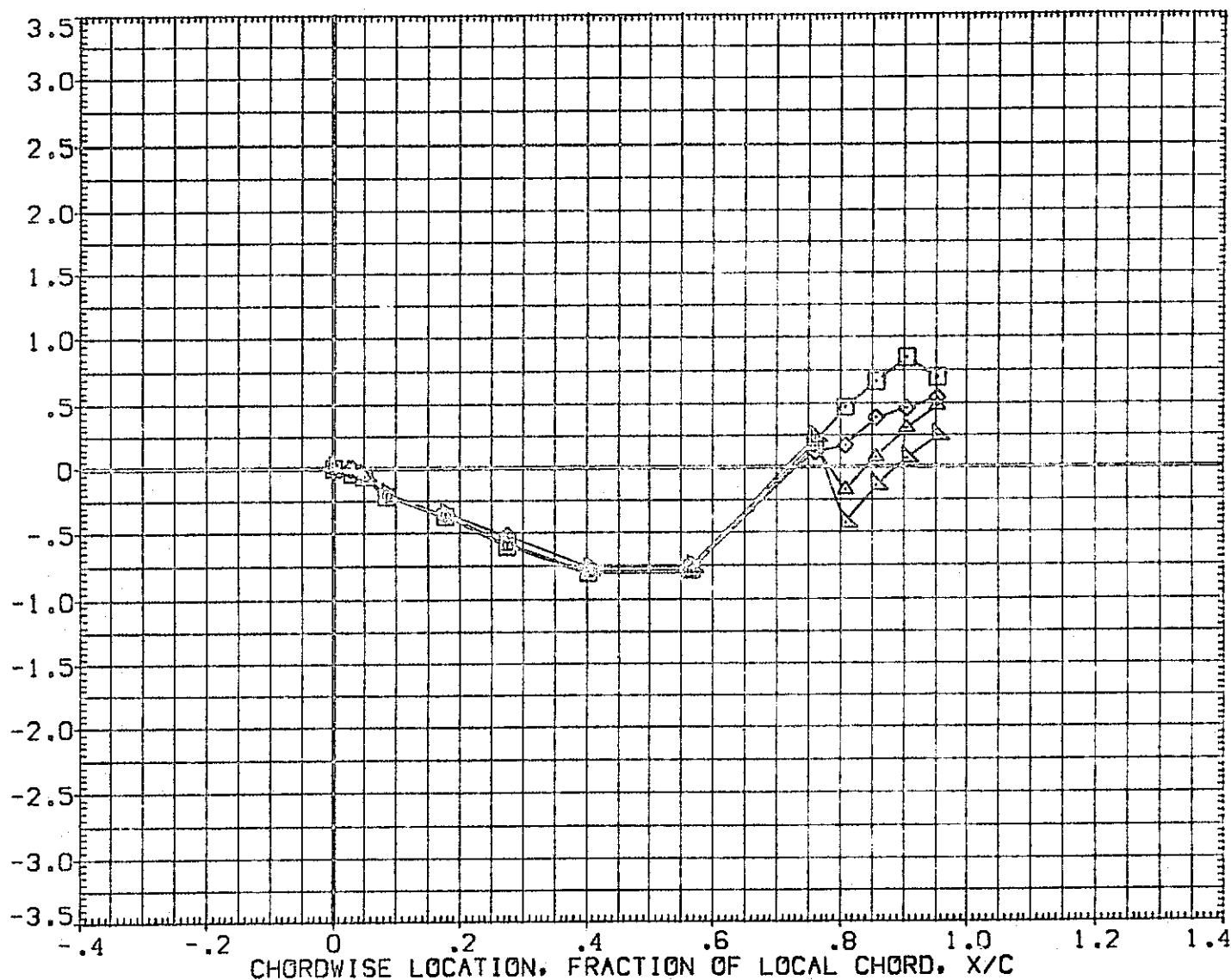


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = .000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7053}	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
{AF7043}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7048}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7053}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

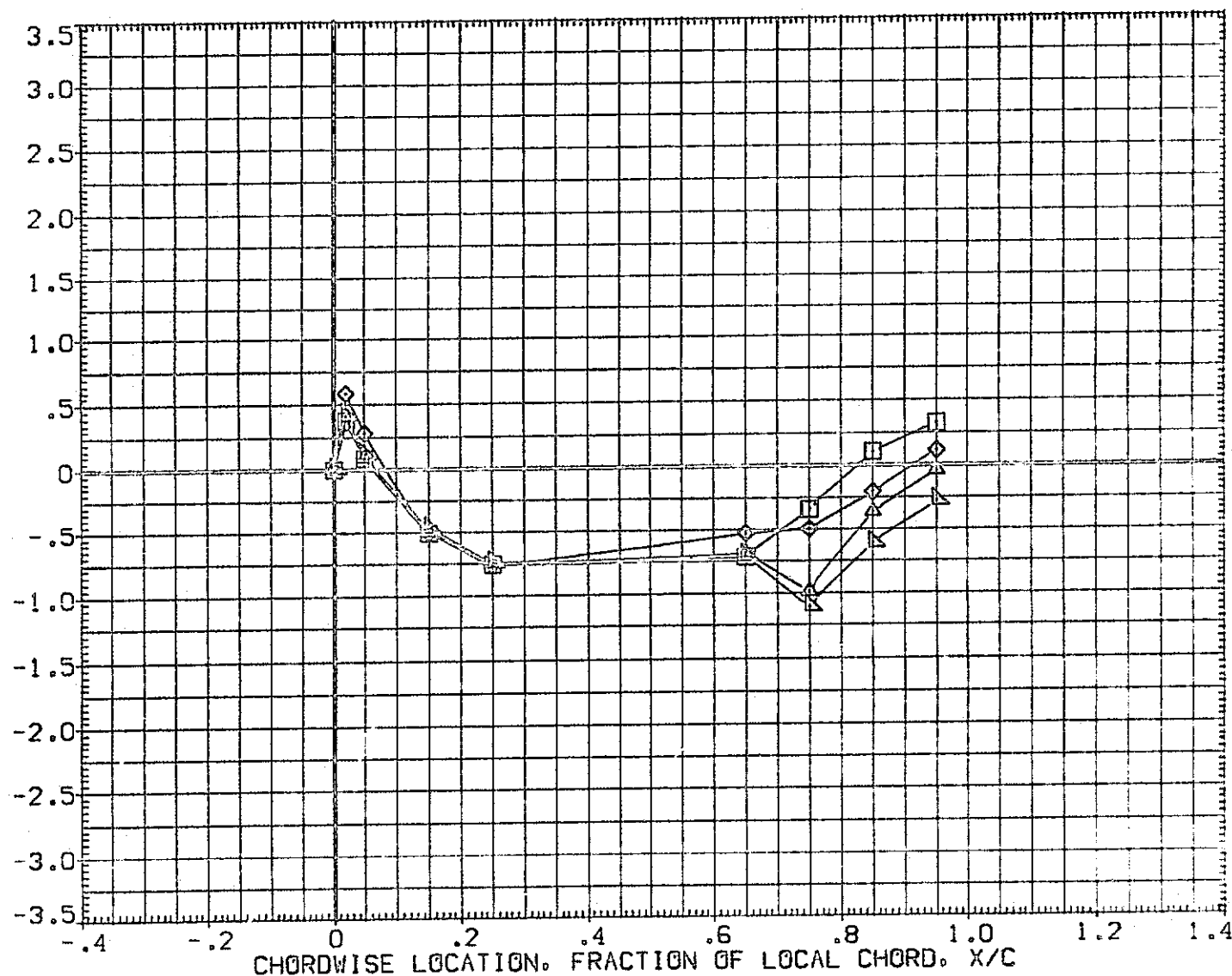


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

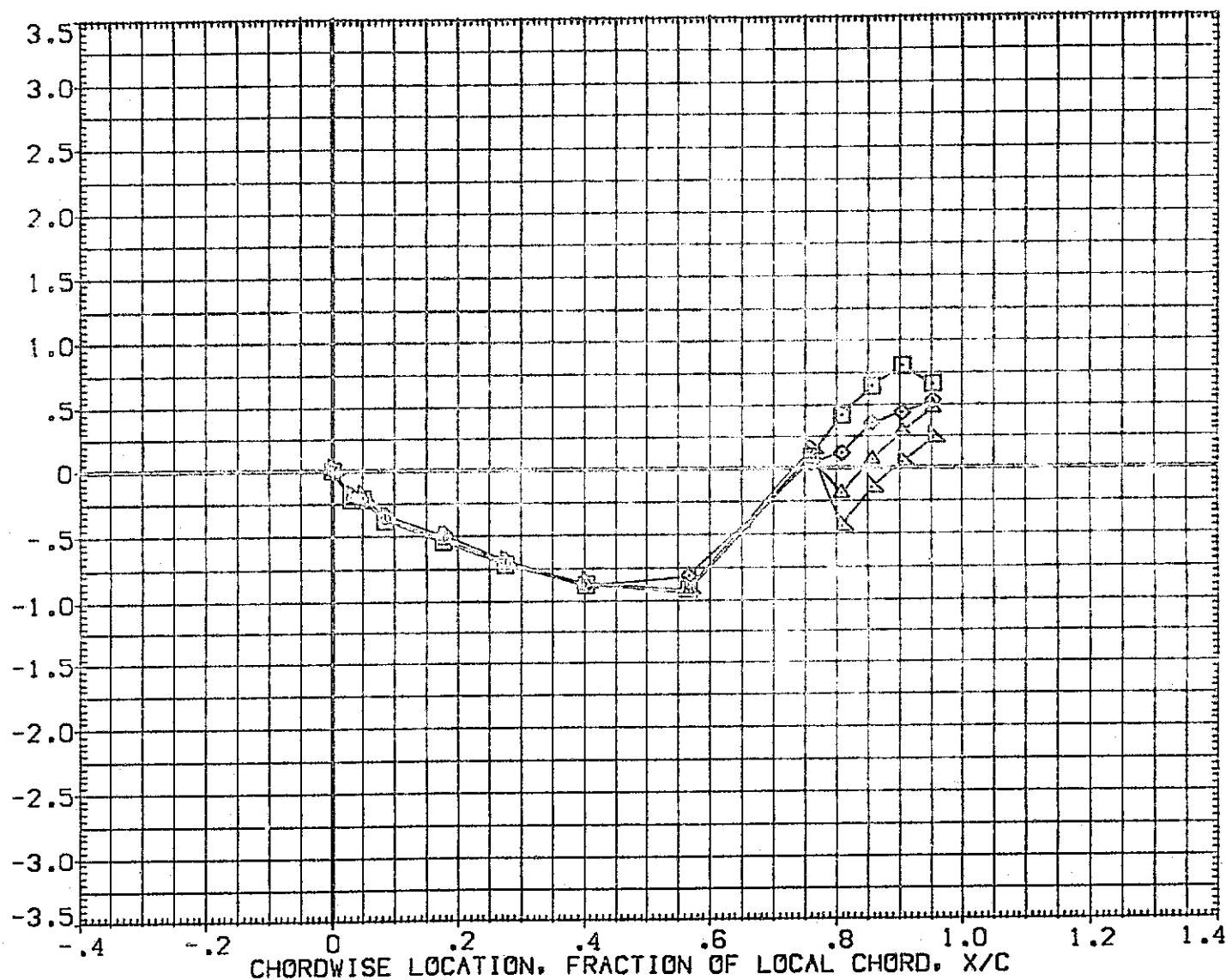


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 2.000 2Y/B = .436

PAGE 369

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

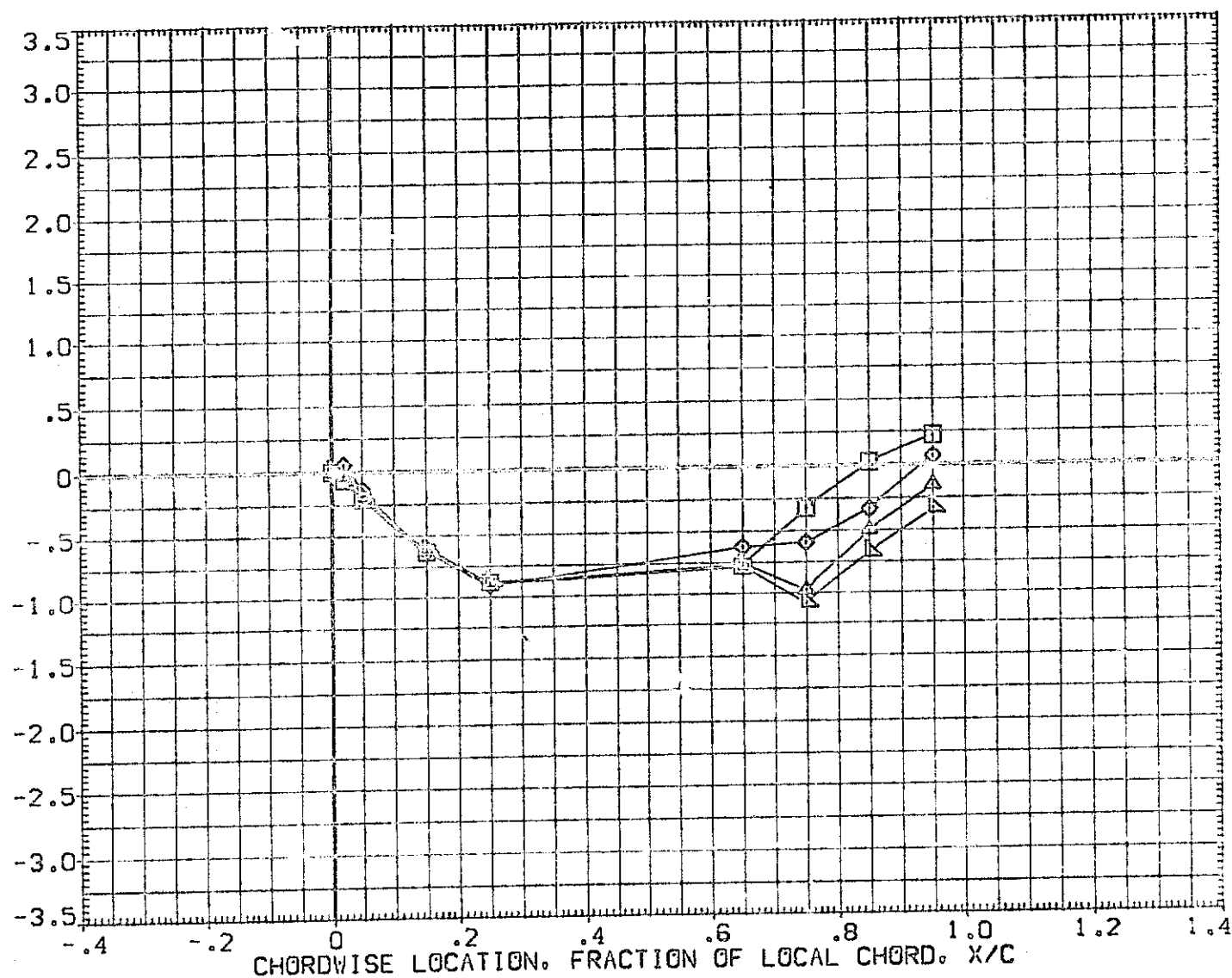


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 2.000 2Y/B = .771 PAGE 370

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

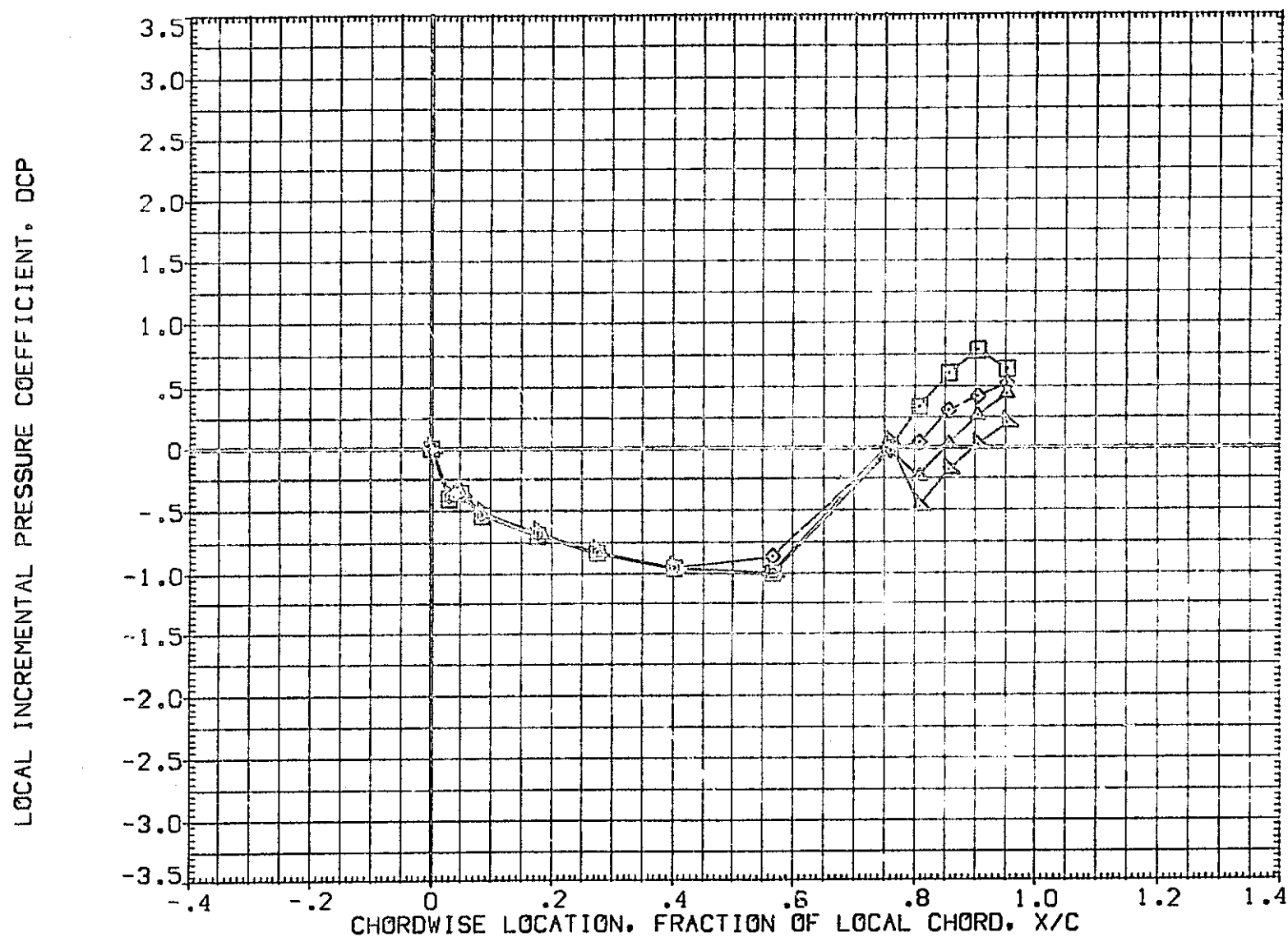


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

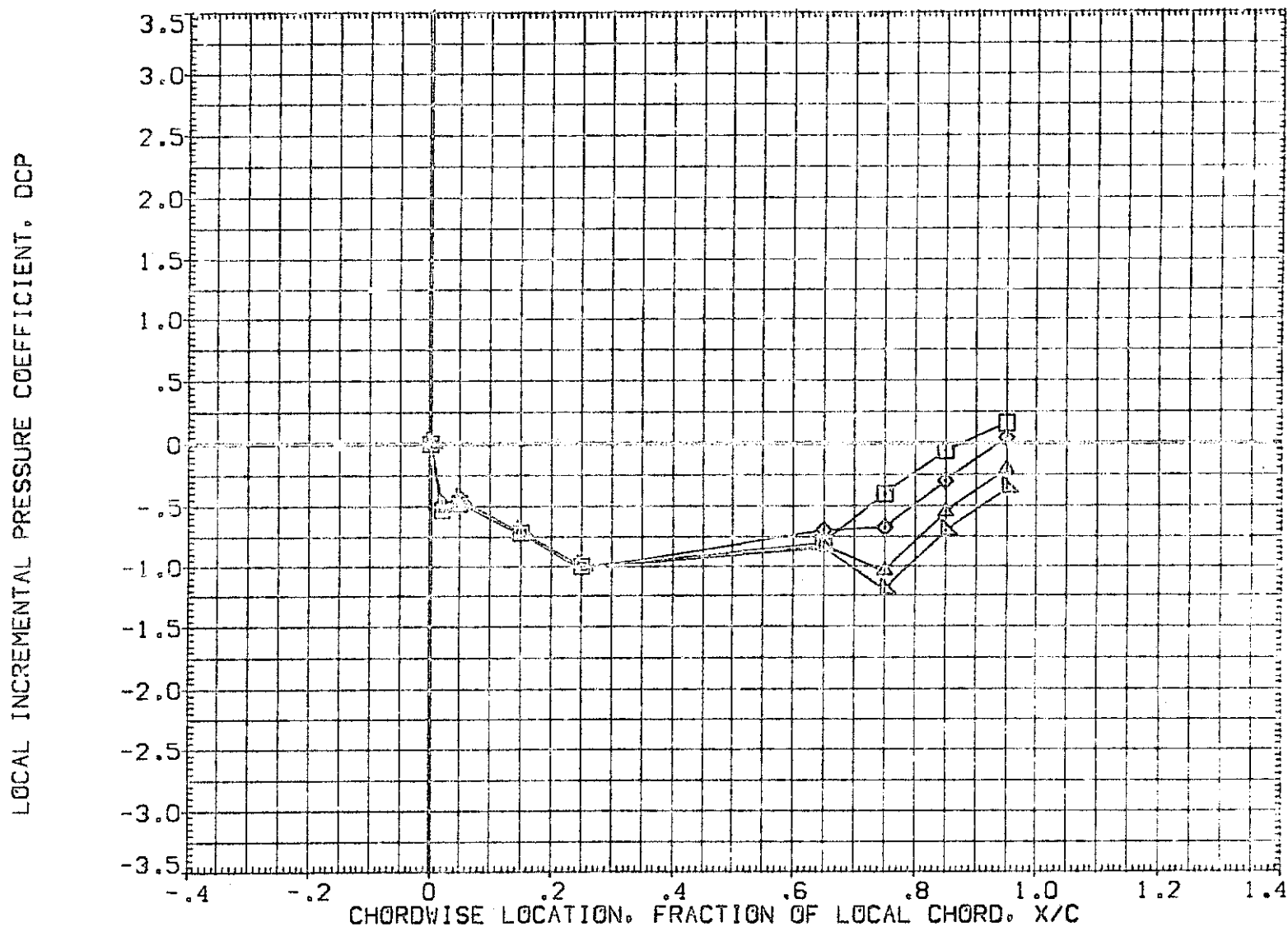


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 4.000 2Y/B = .771 PAGE 372

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

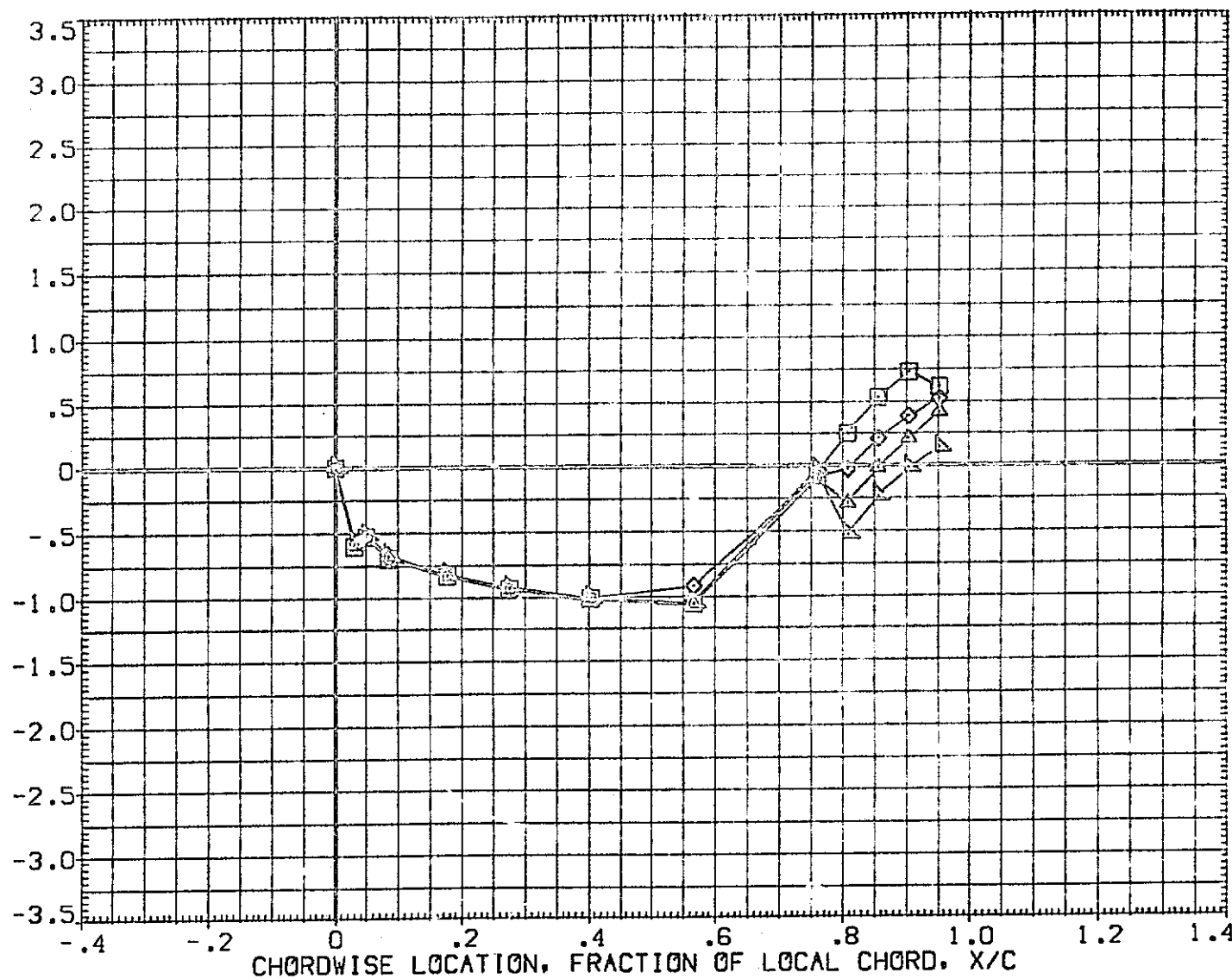


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

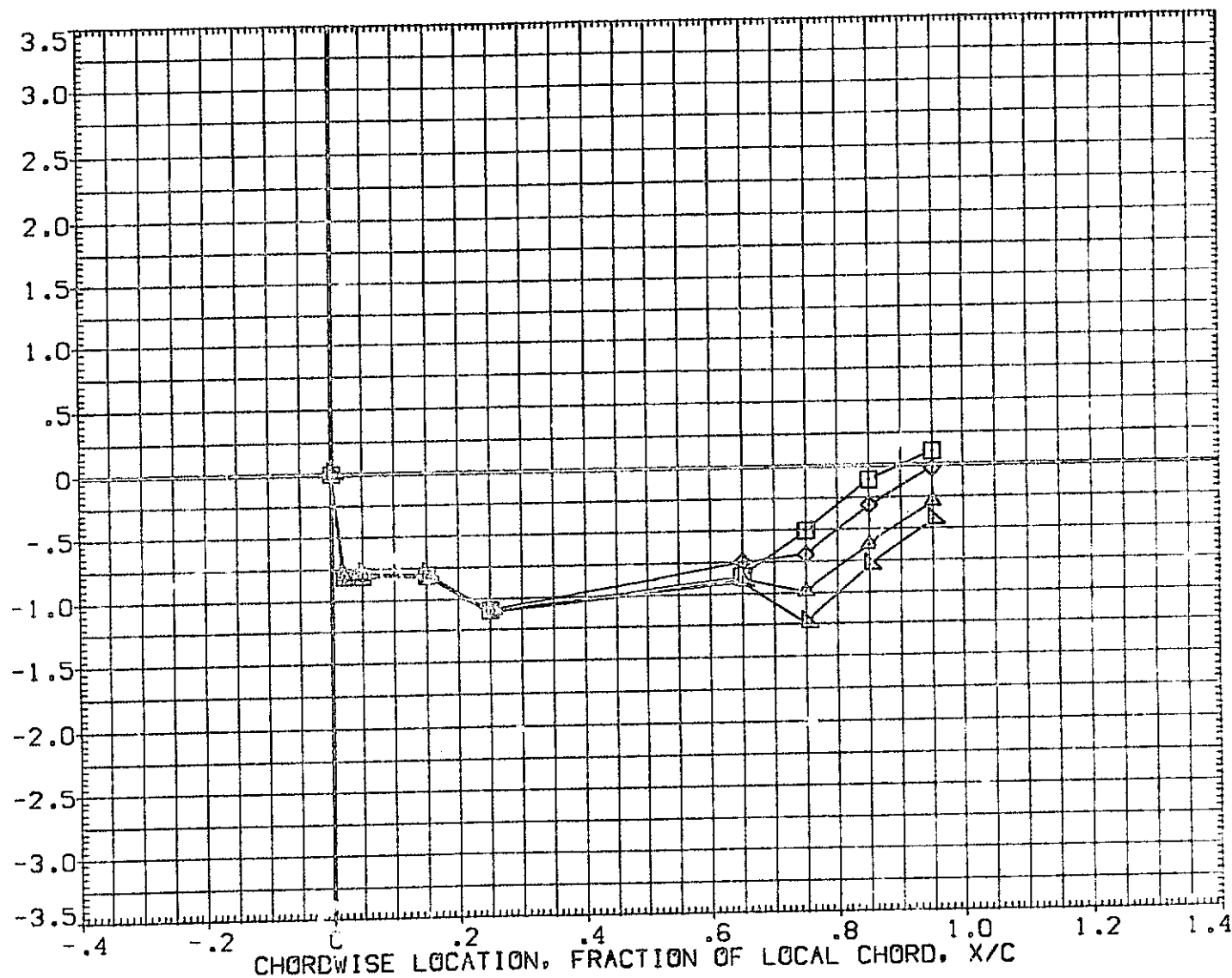


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF70S3]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

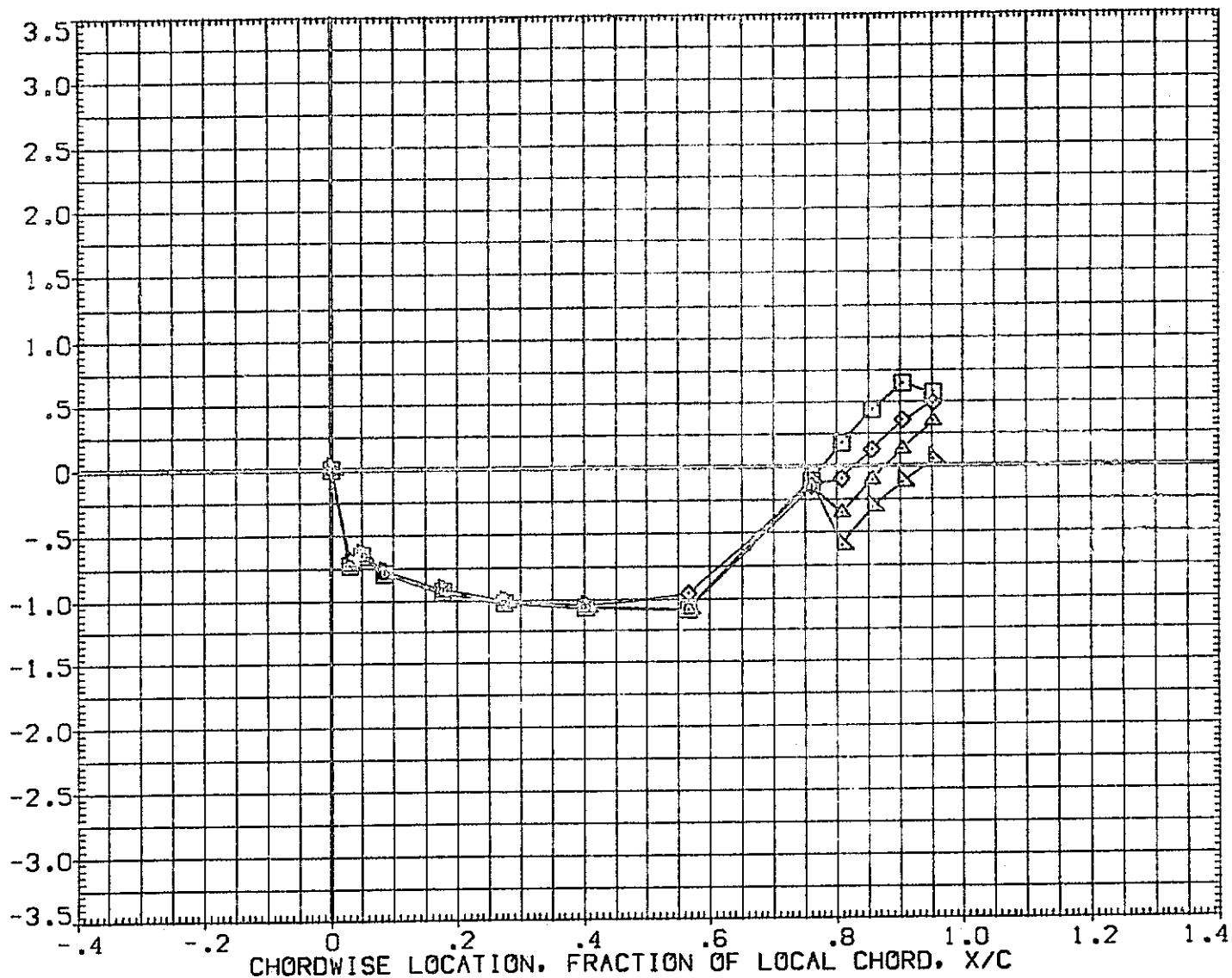


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.120 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF7063] DATA NOT AVAILABLE

[AF7043] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

[AF7048] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

[AF7053] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

[AF7058] 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

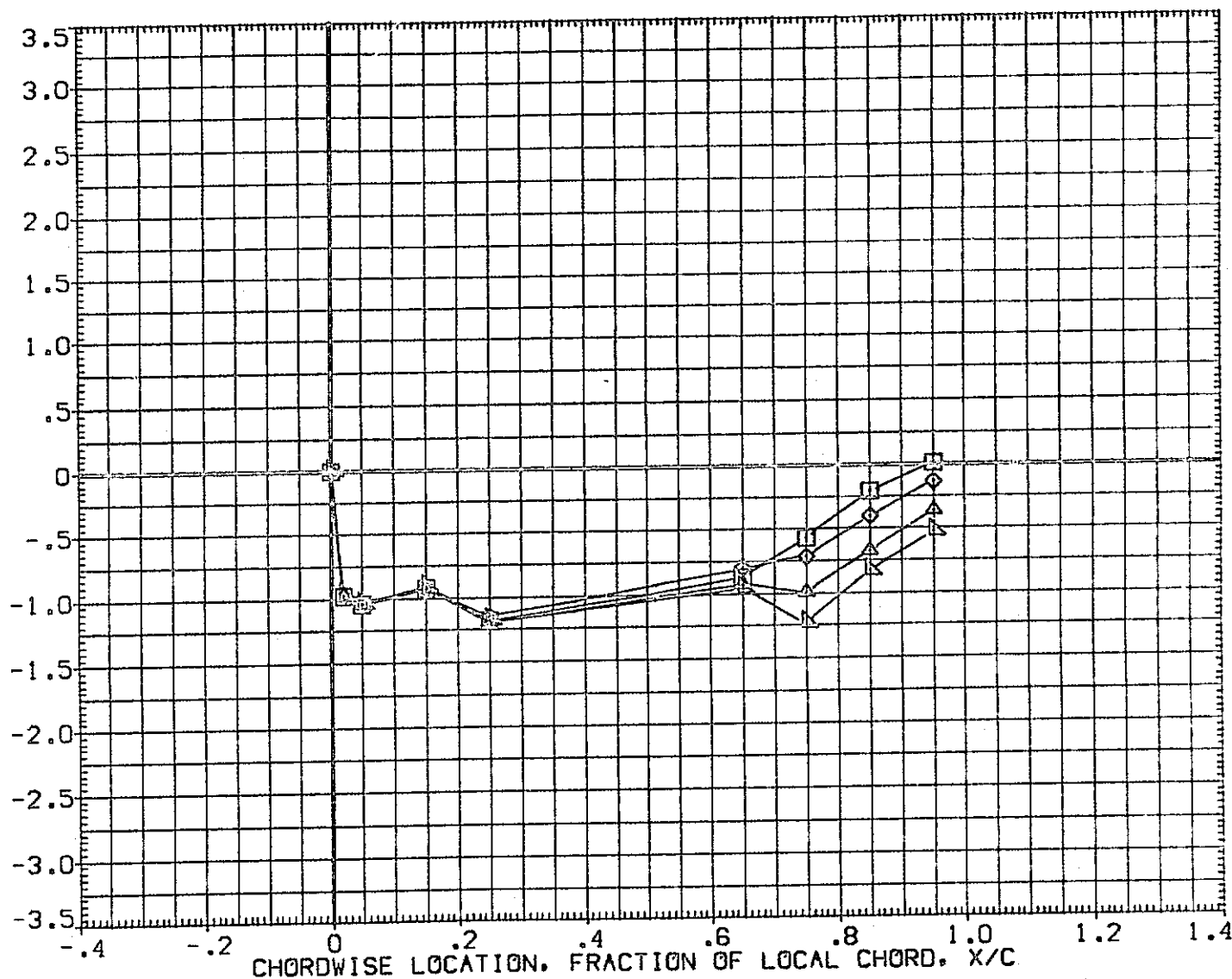


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.120 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

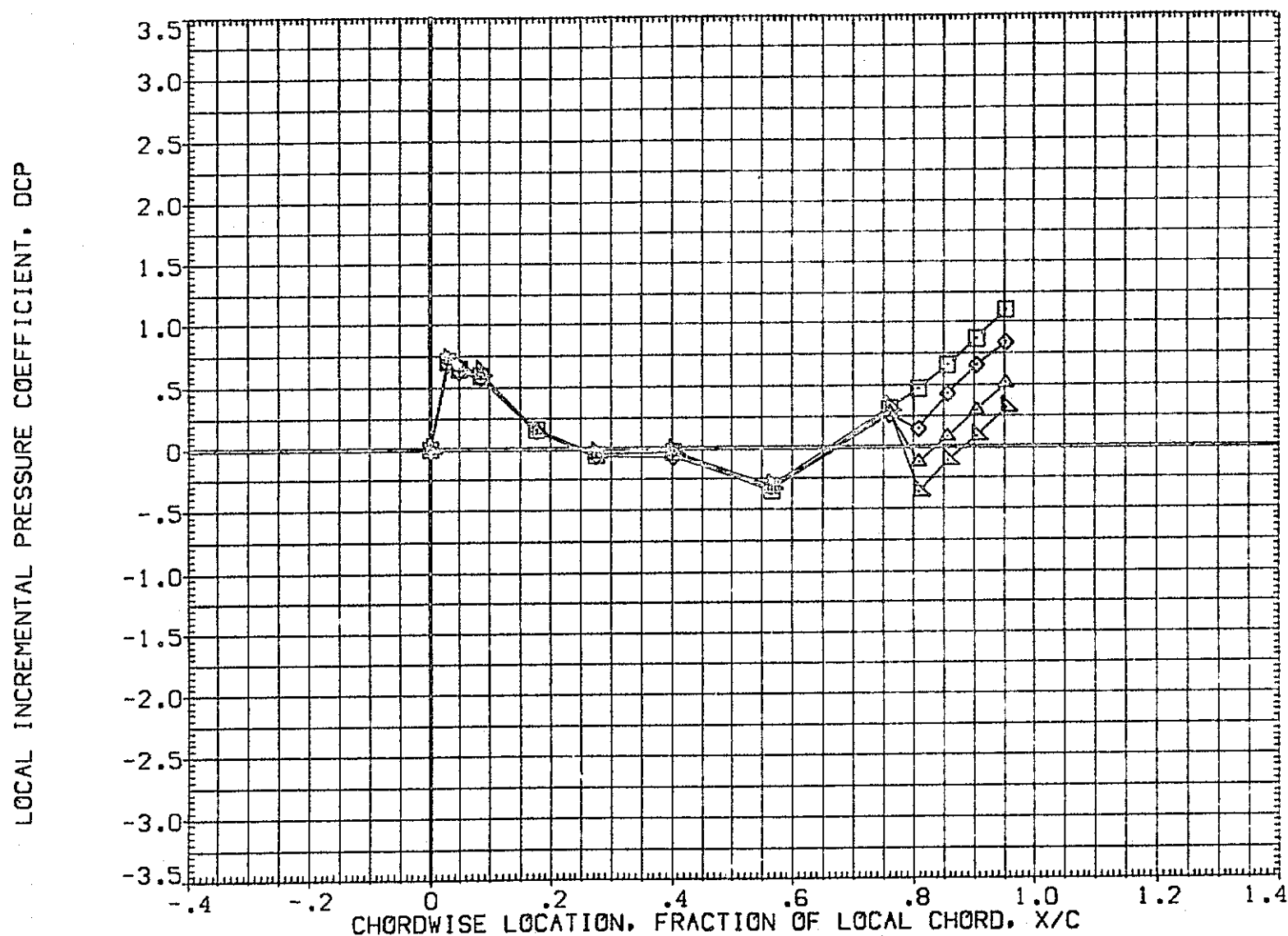


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -8.000 2Y/B = .436 PAGE 377

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

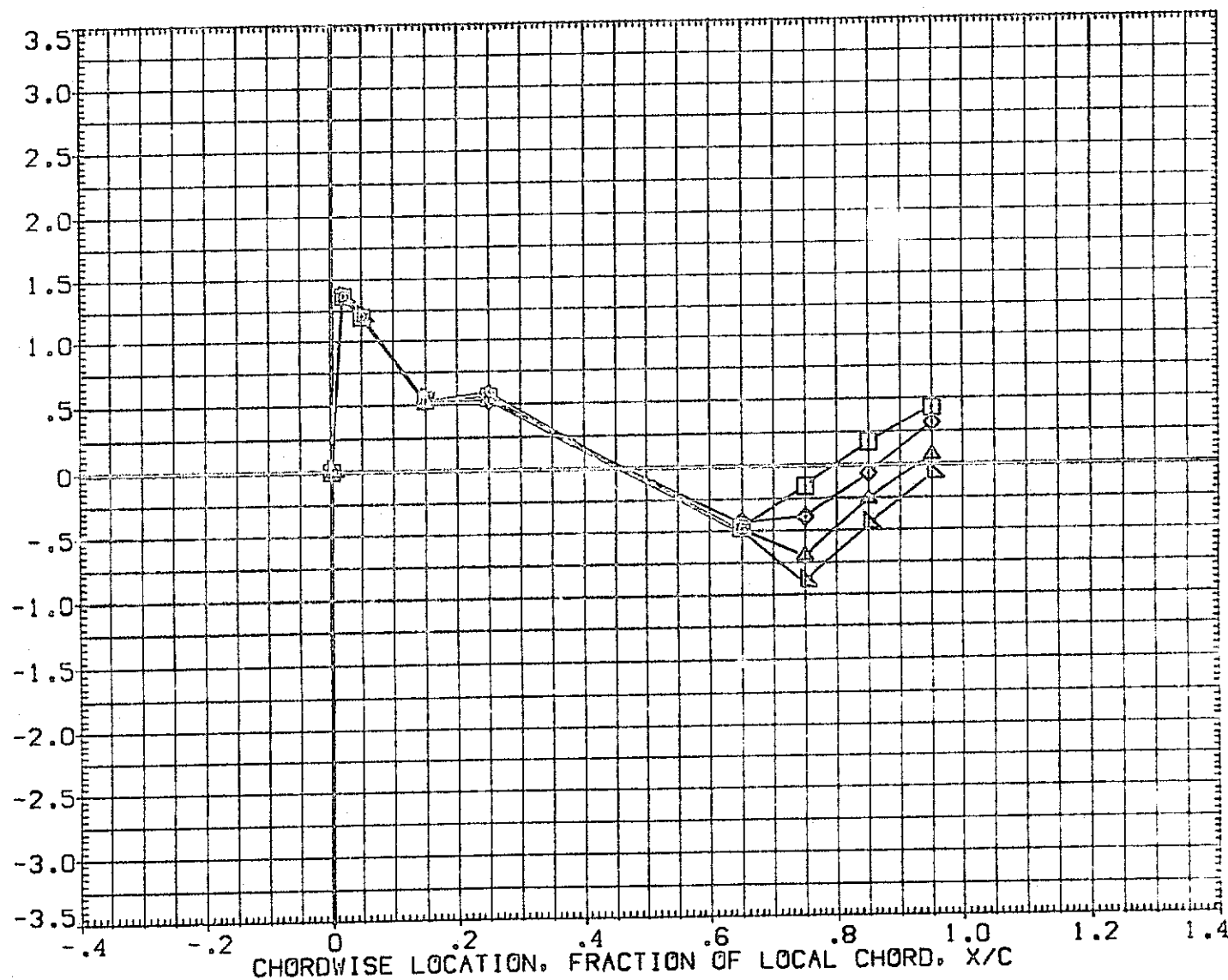


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

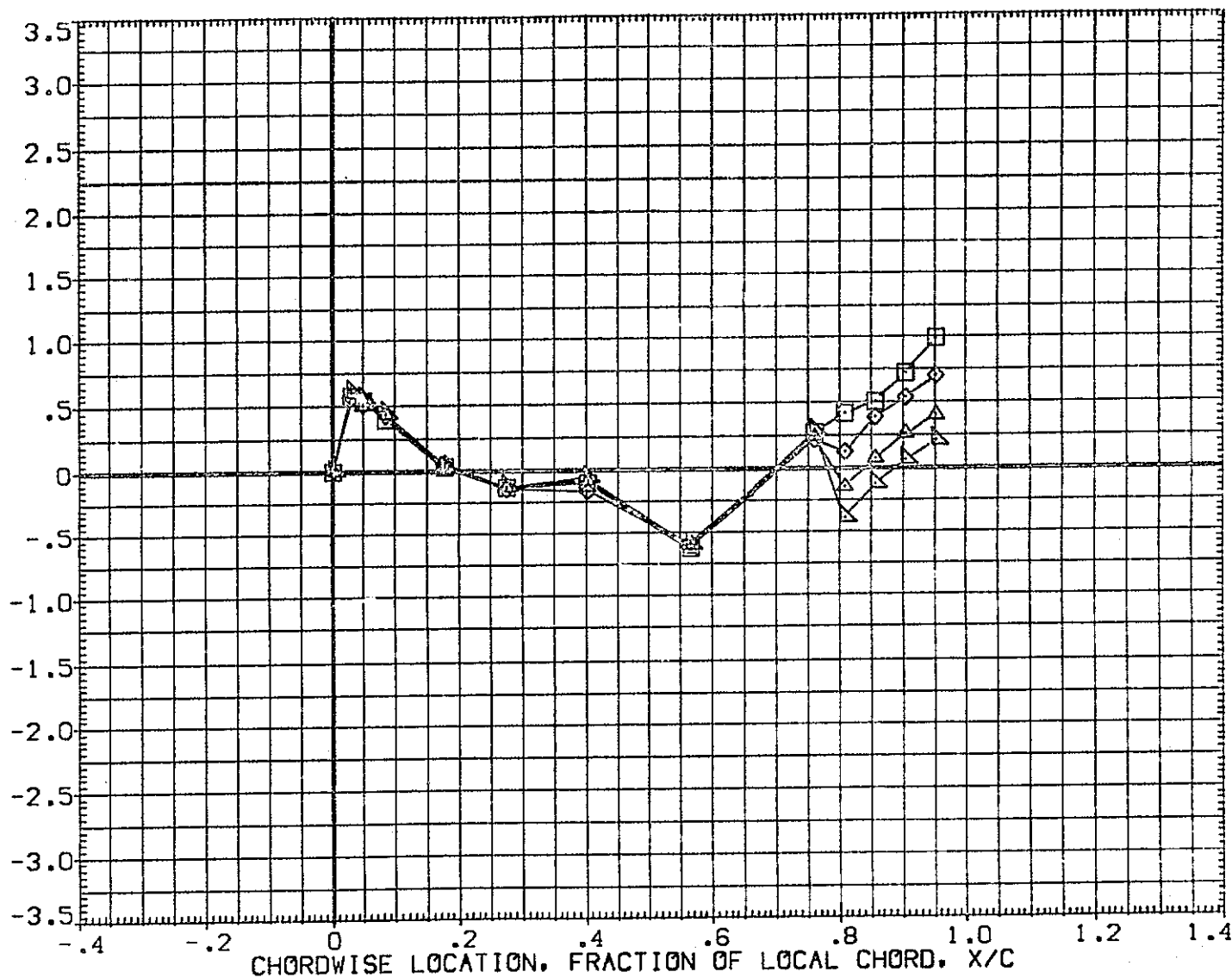


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AF7053) DATA NOT AVAILABLE
 (AF7043) 1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)
 (AF7048) 1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)
 (AF7053) 1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)
 (AF7058) 1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)

ELV-1	ELV-2	ELV-3	ELV-4
-4.000	.000	-4.000	-4.000
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

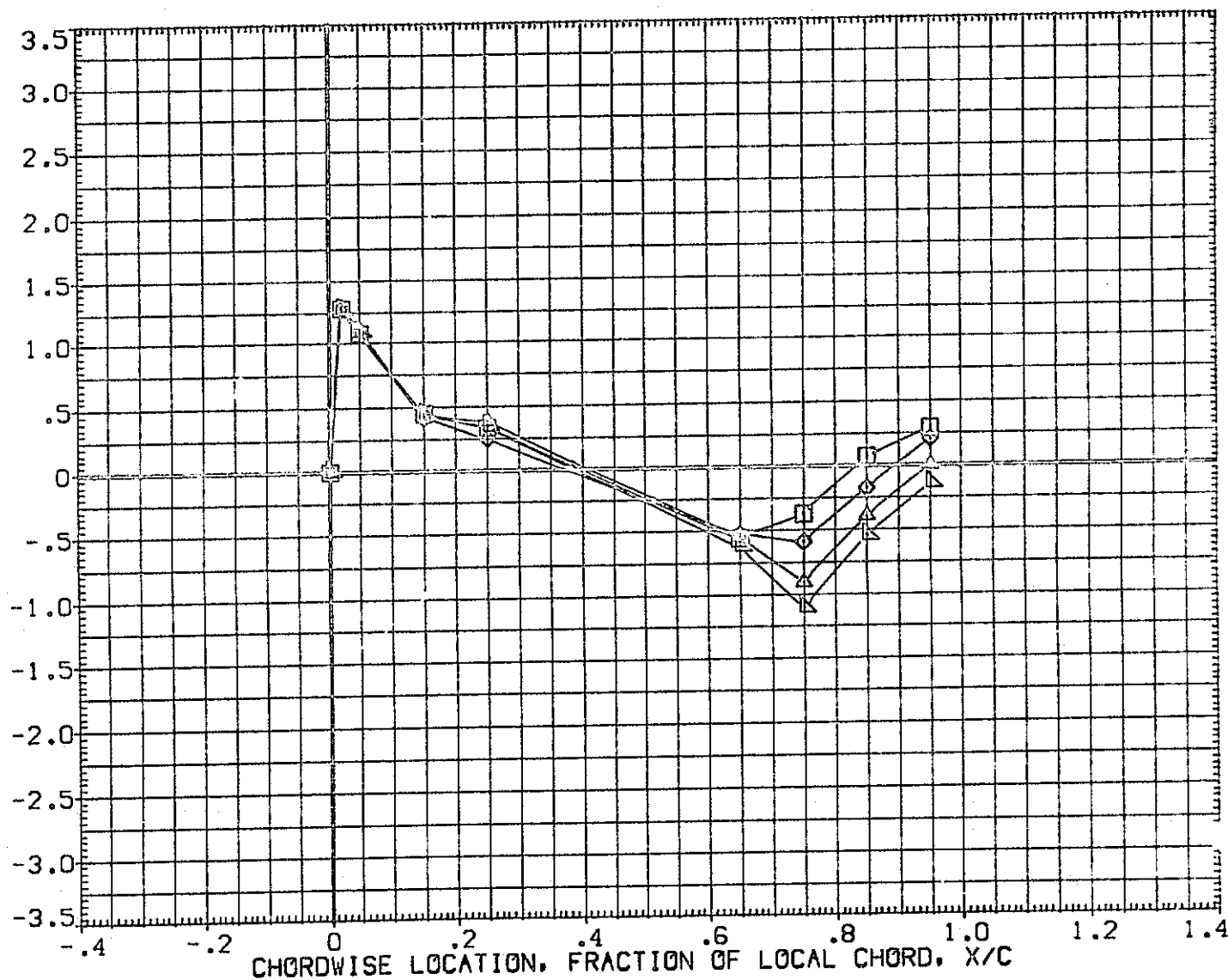


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

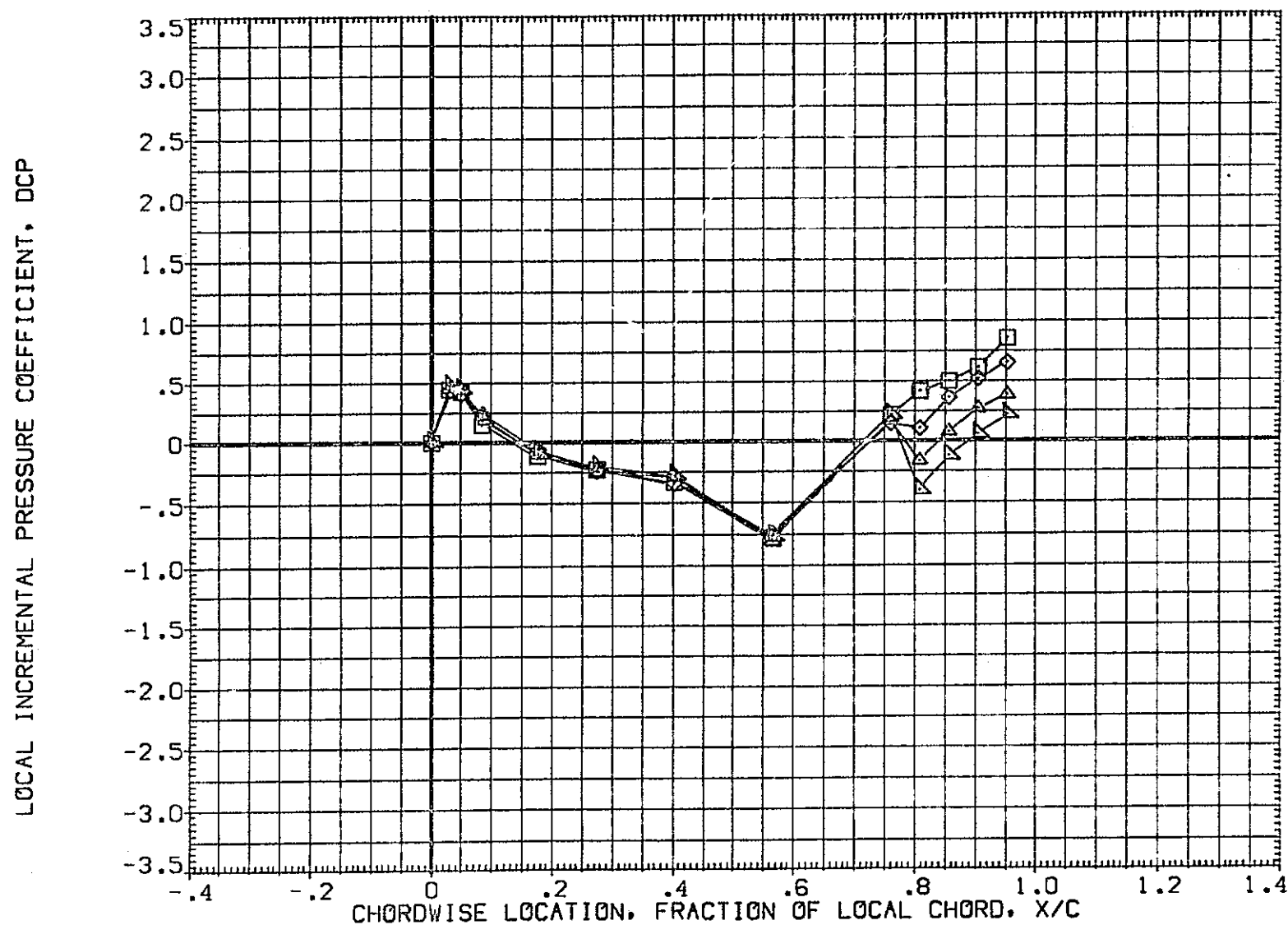


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

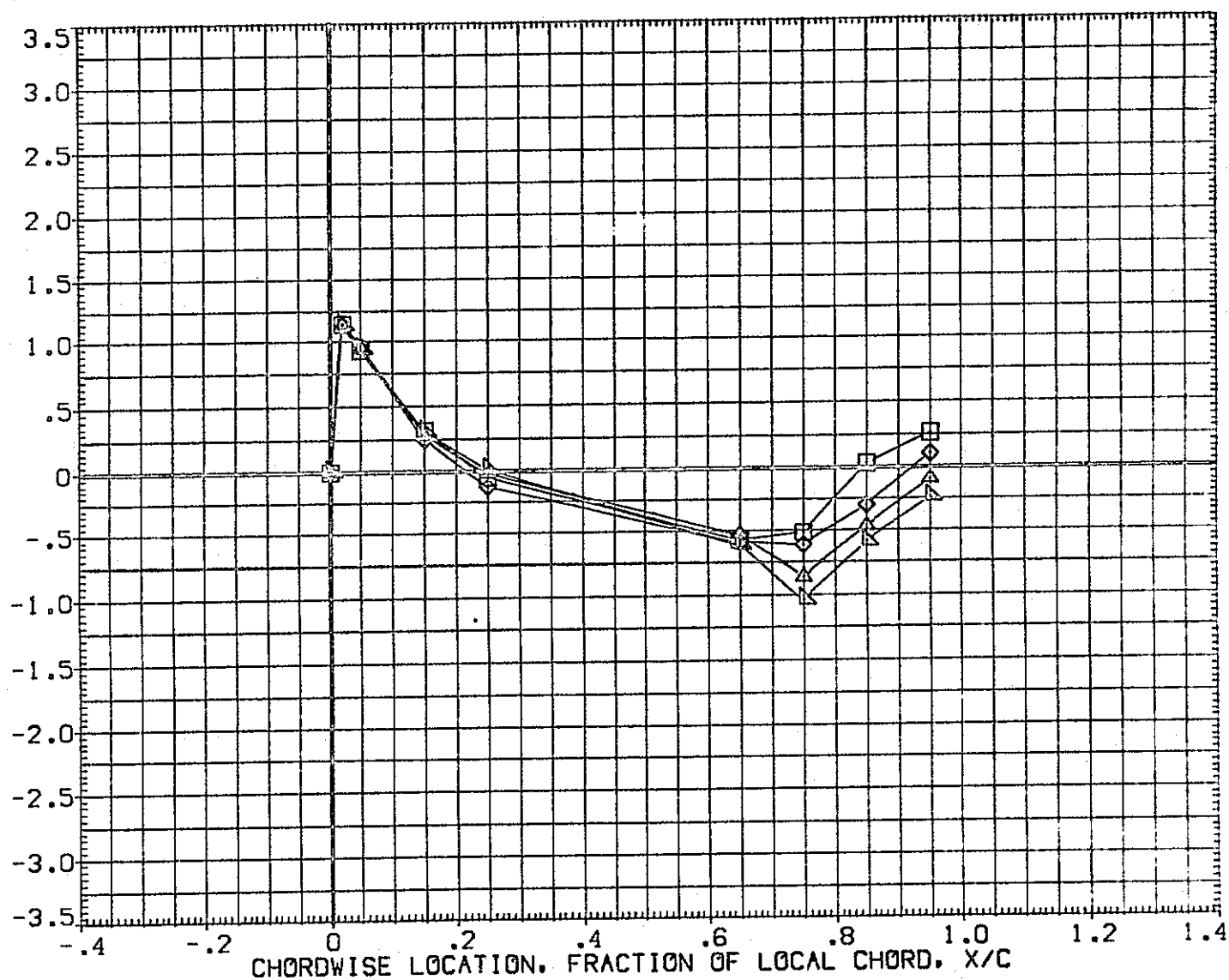


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

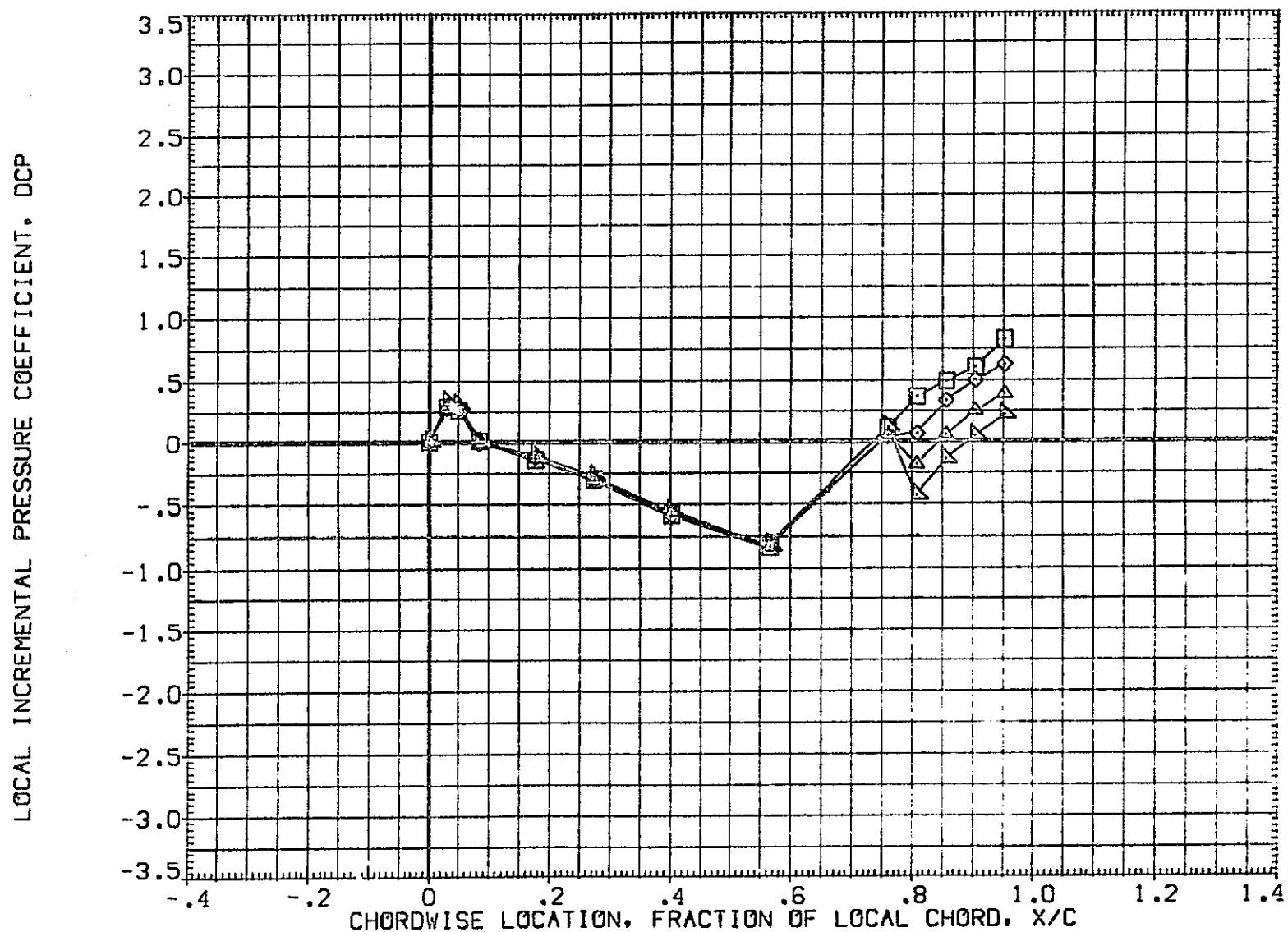


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

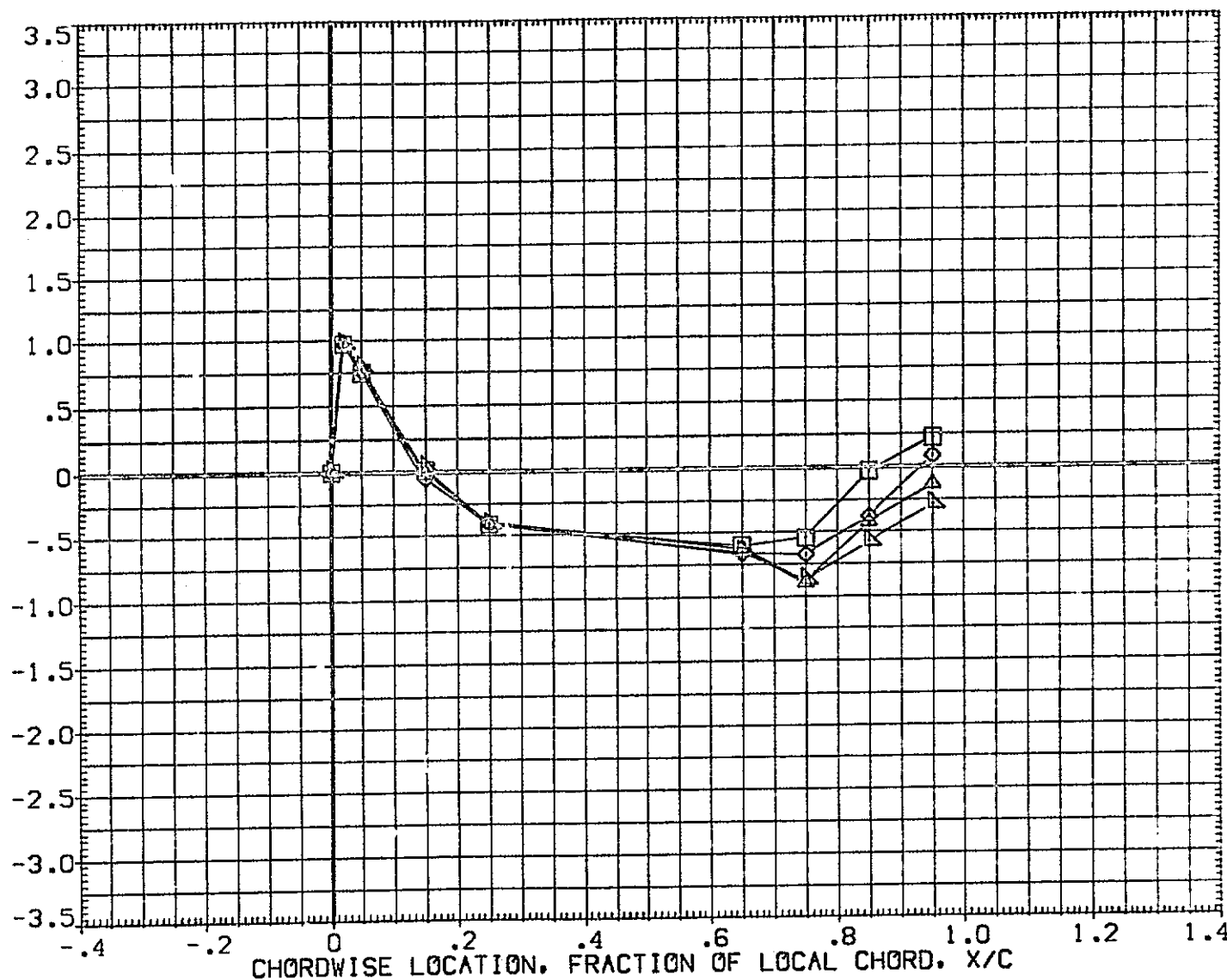


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

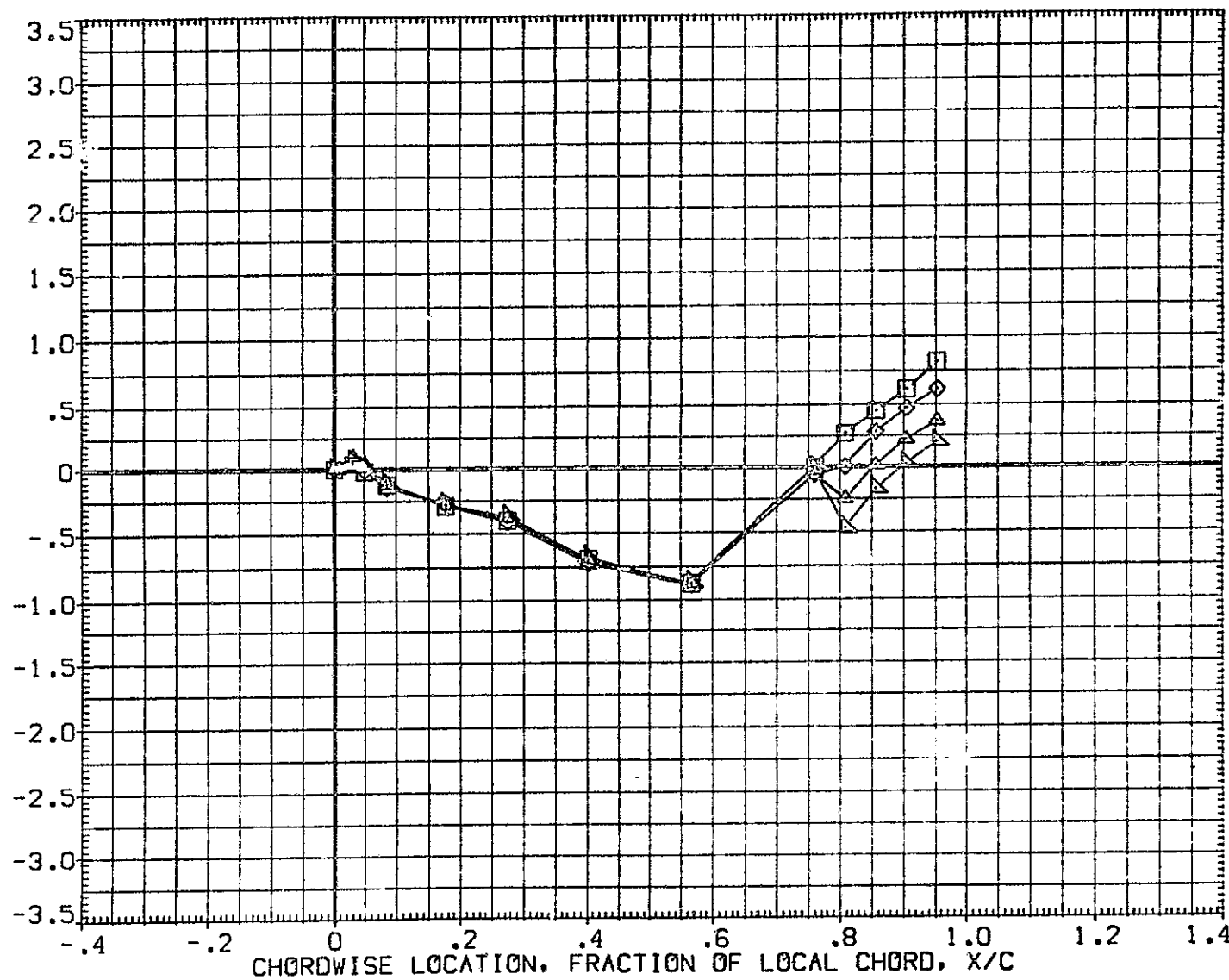


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 8$
MACH = 1.240 ALPHA = .000 $2Y/B = .436$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

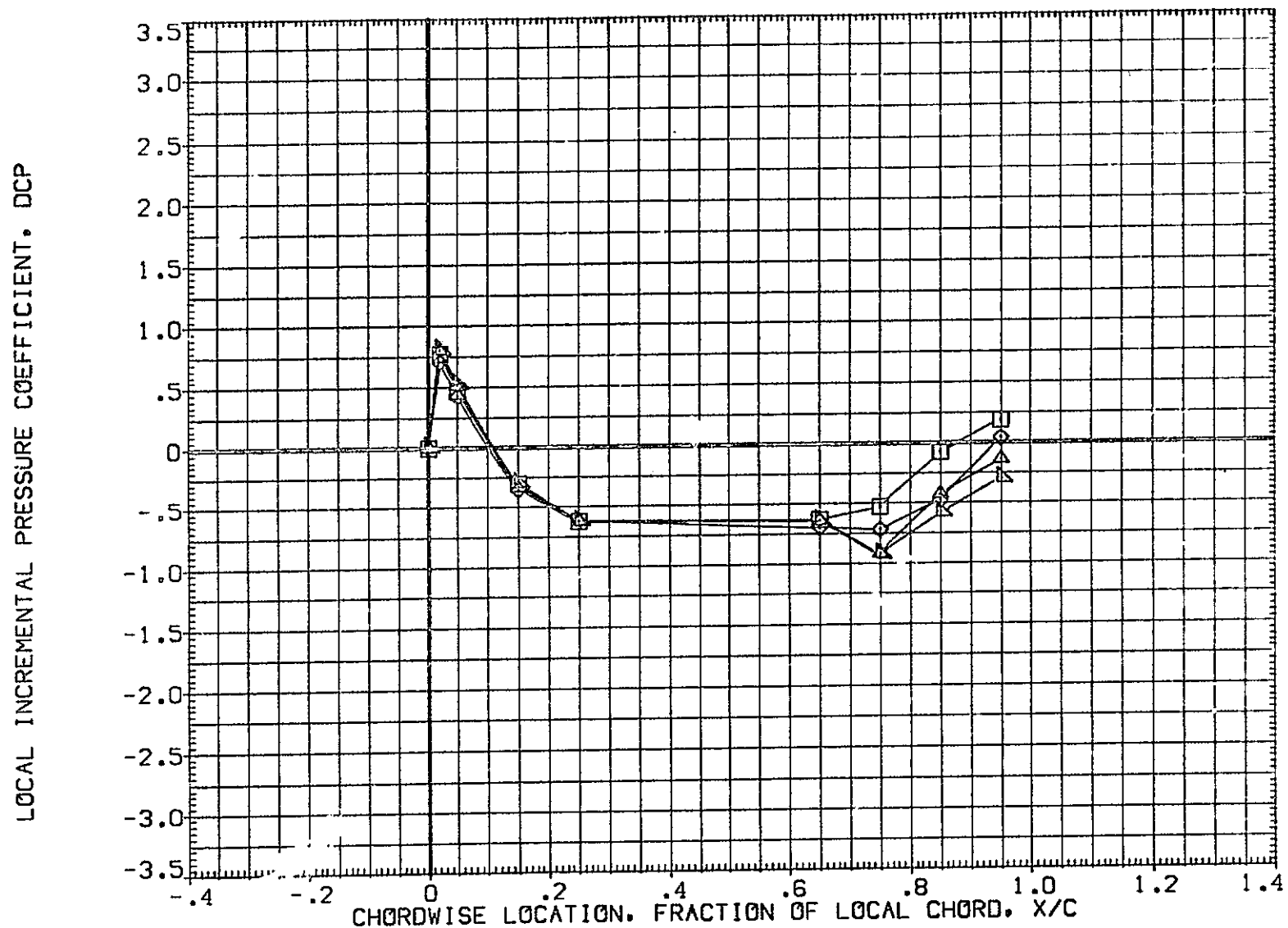


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = .000 2Y/B = .771 PAGE 386

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	17.000	12.000	12.000

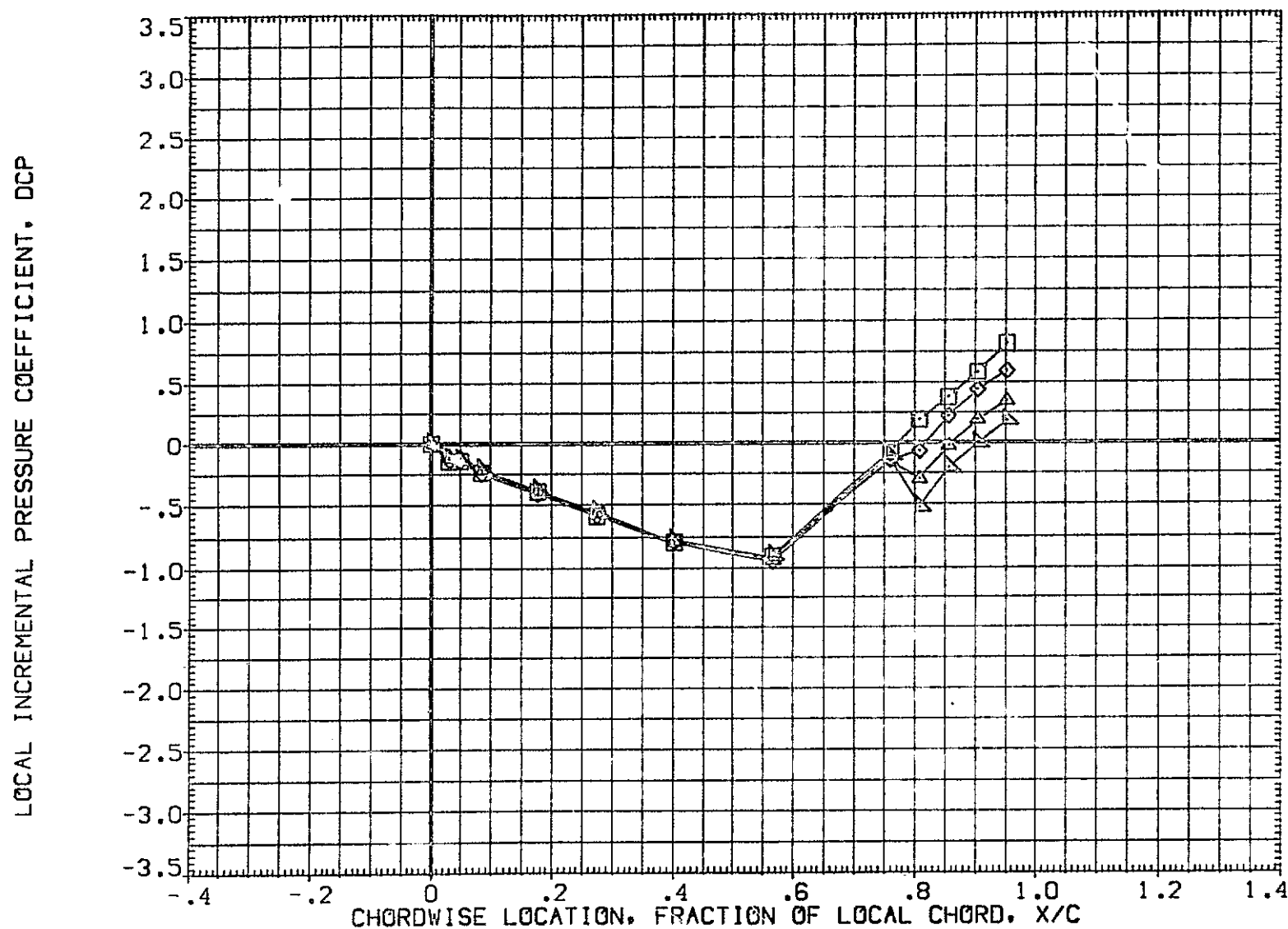


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

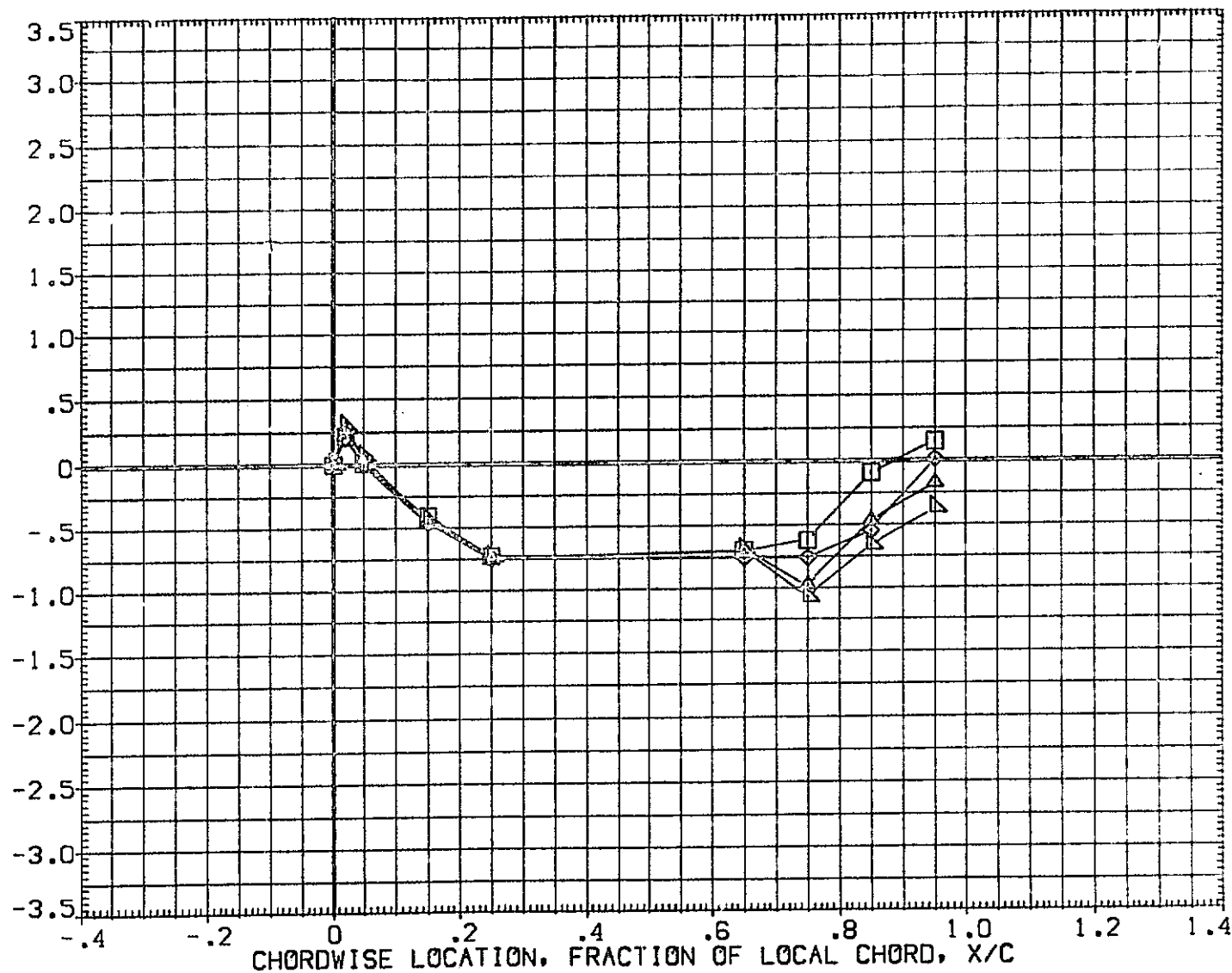


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = 2.000 2Y/B = .771 PAGE 388

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

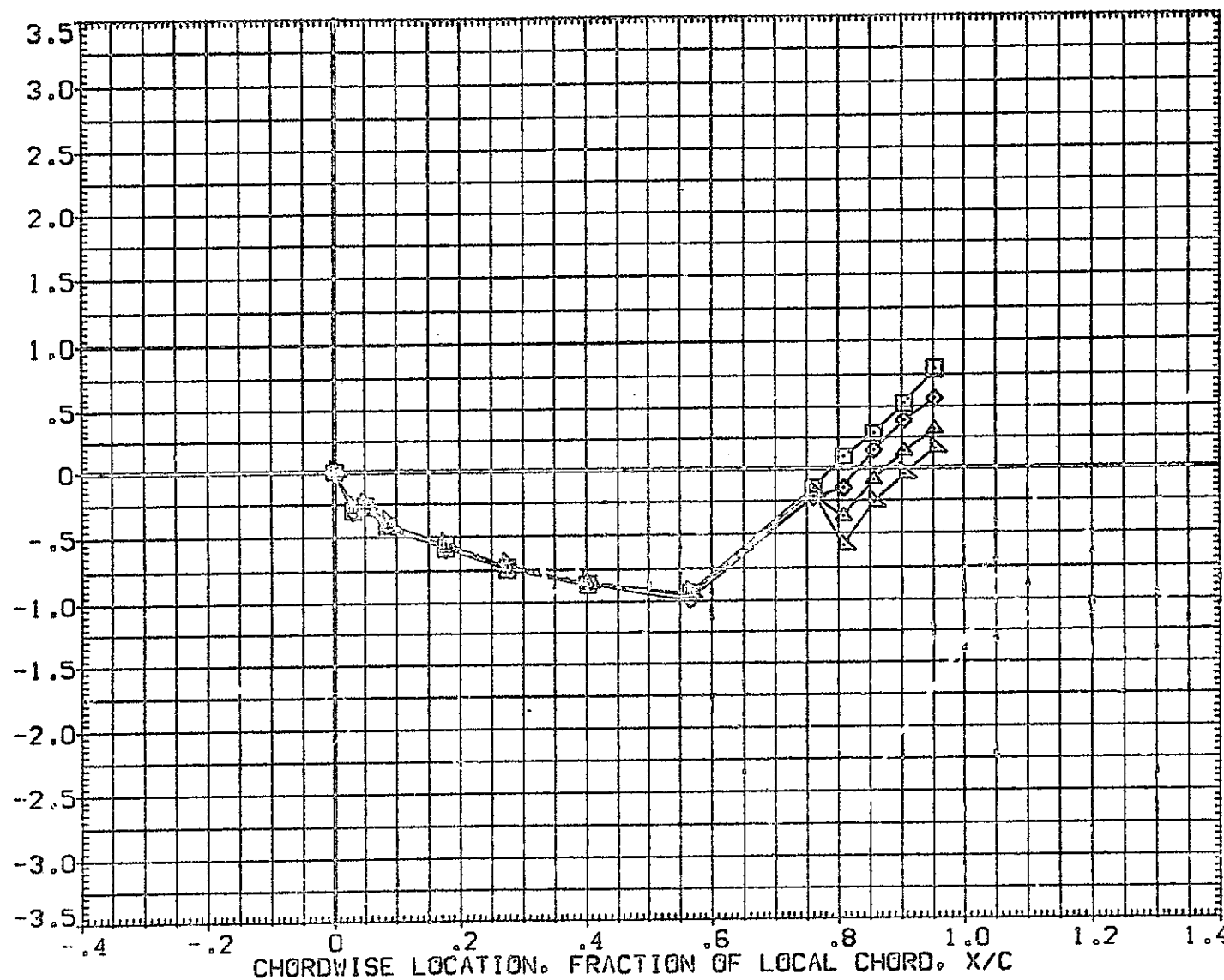


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

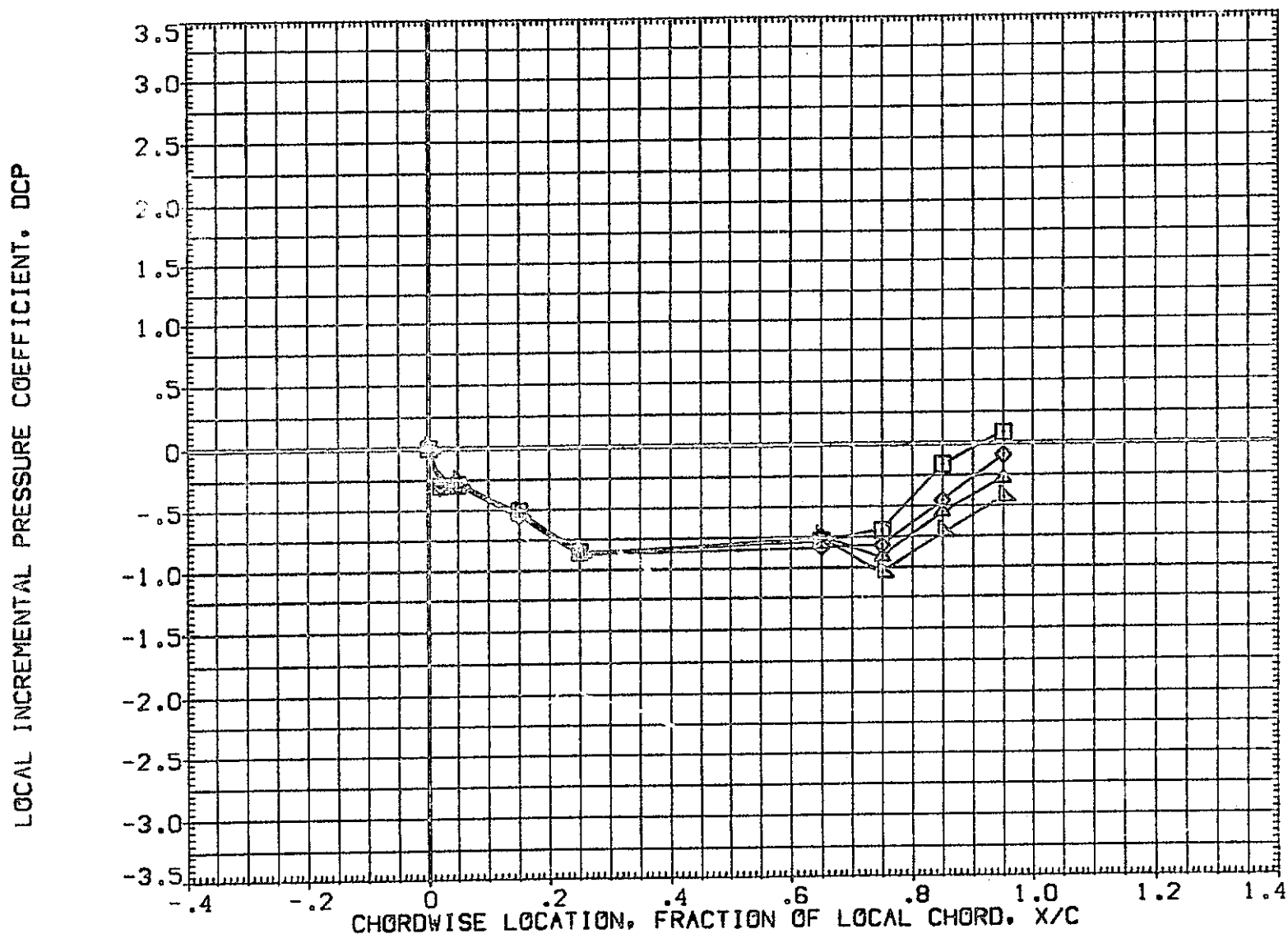


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = 4.000 2Y/B = .771



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 F8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 F8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

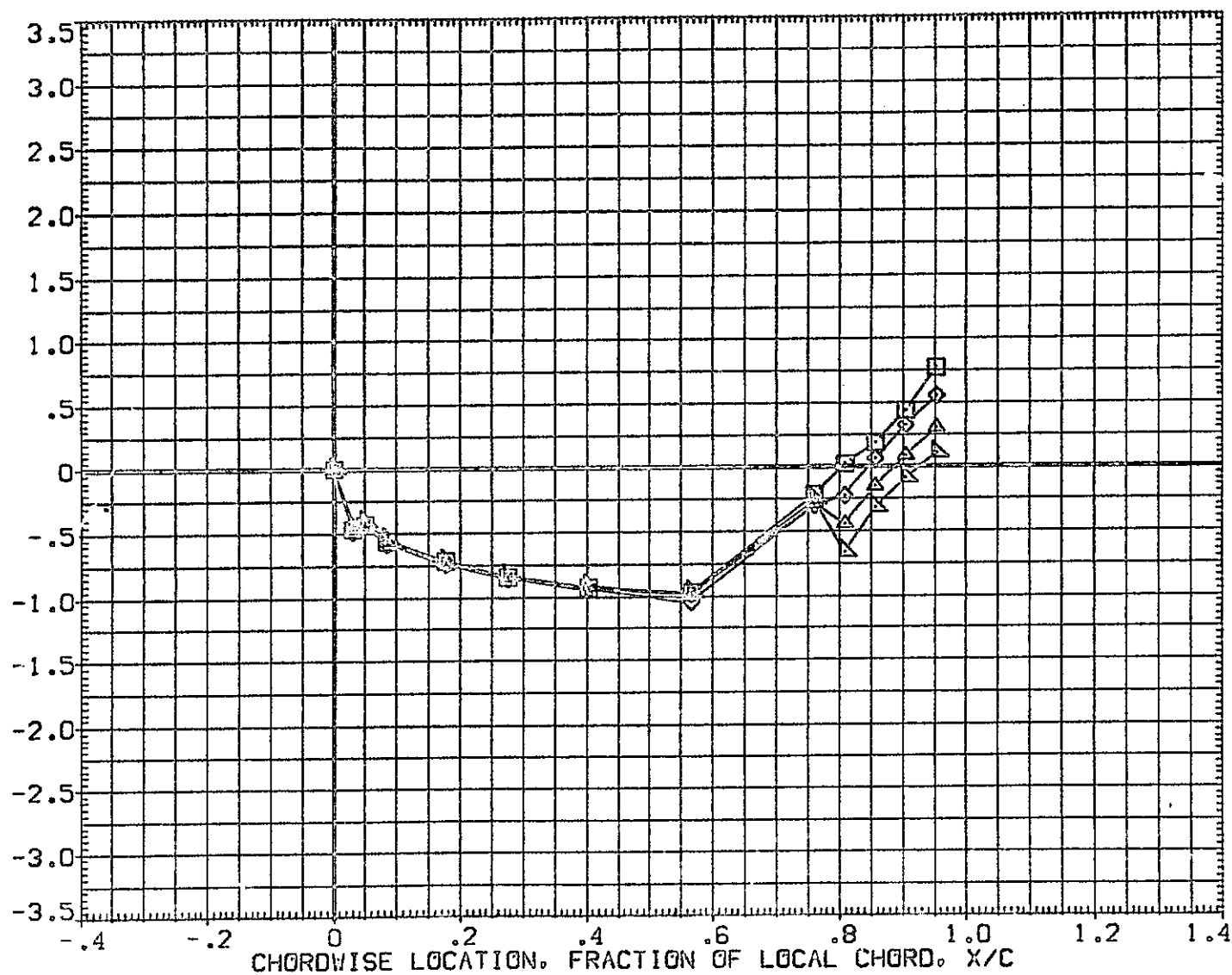


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7033]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7046]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

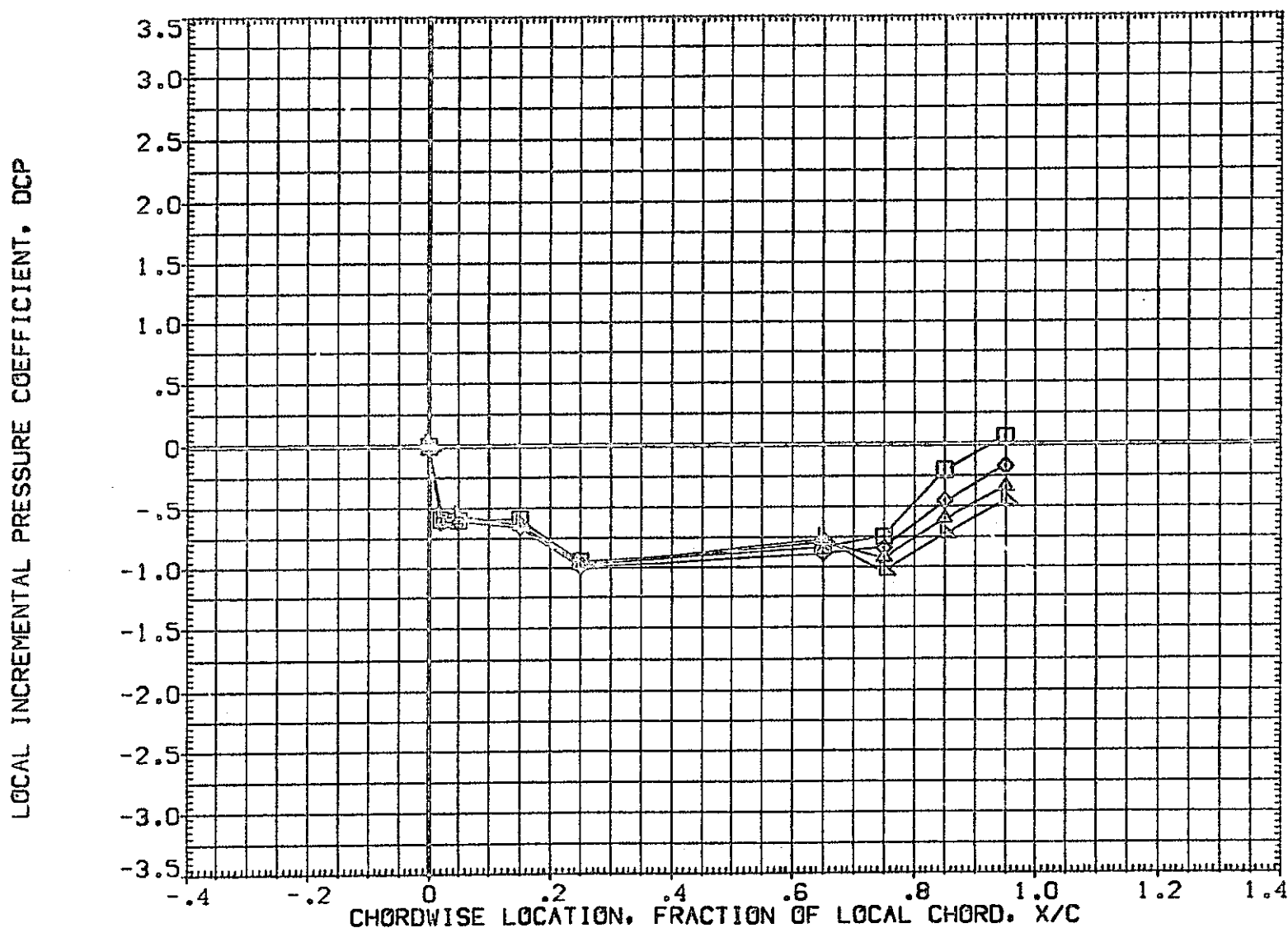


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.240 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	DATA NOT AVAILABLE	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

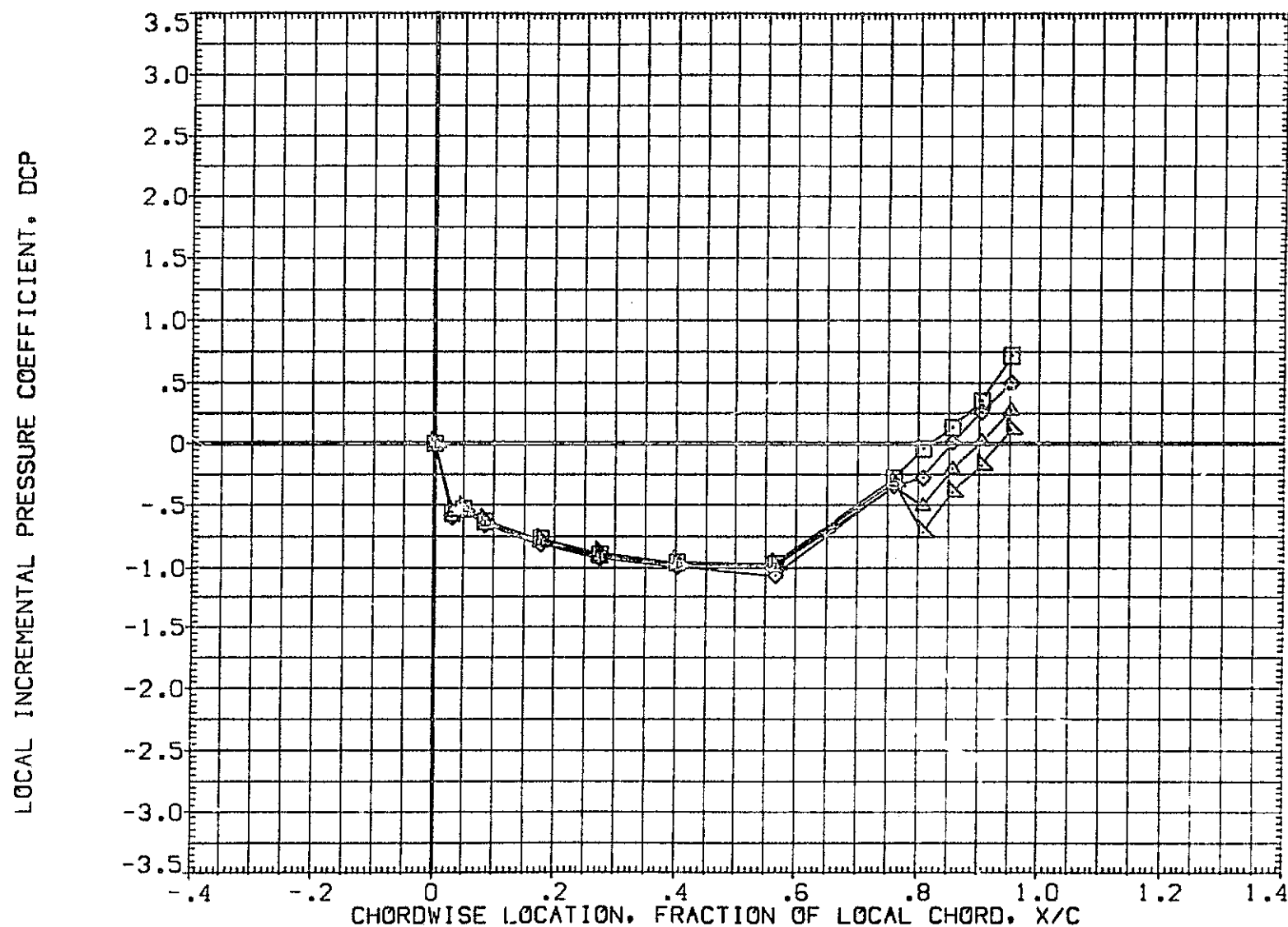


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 8.000 2Y/B = .436

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

[AF70S3]	□	DATA NOT AVAILABLE							-4.000	.000	-4.000	-4.000
[AF7043]	○	IA70	01	T12	S1	P2	P3	WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	×	IA70	01	T12	S1	P2	P3	WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	△	IA70	01	T12	S1	P2	P3	WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	▽	IA70	01	T12	S1	P2	P3	WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

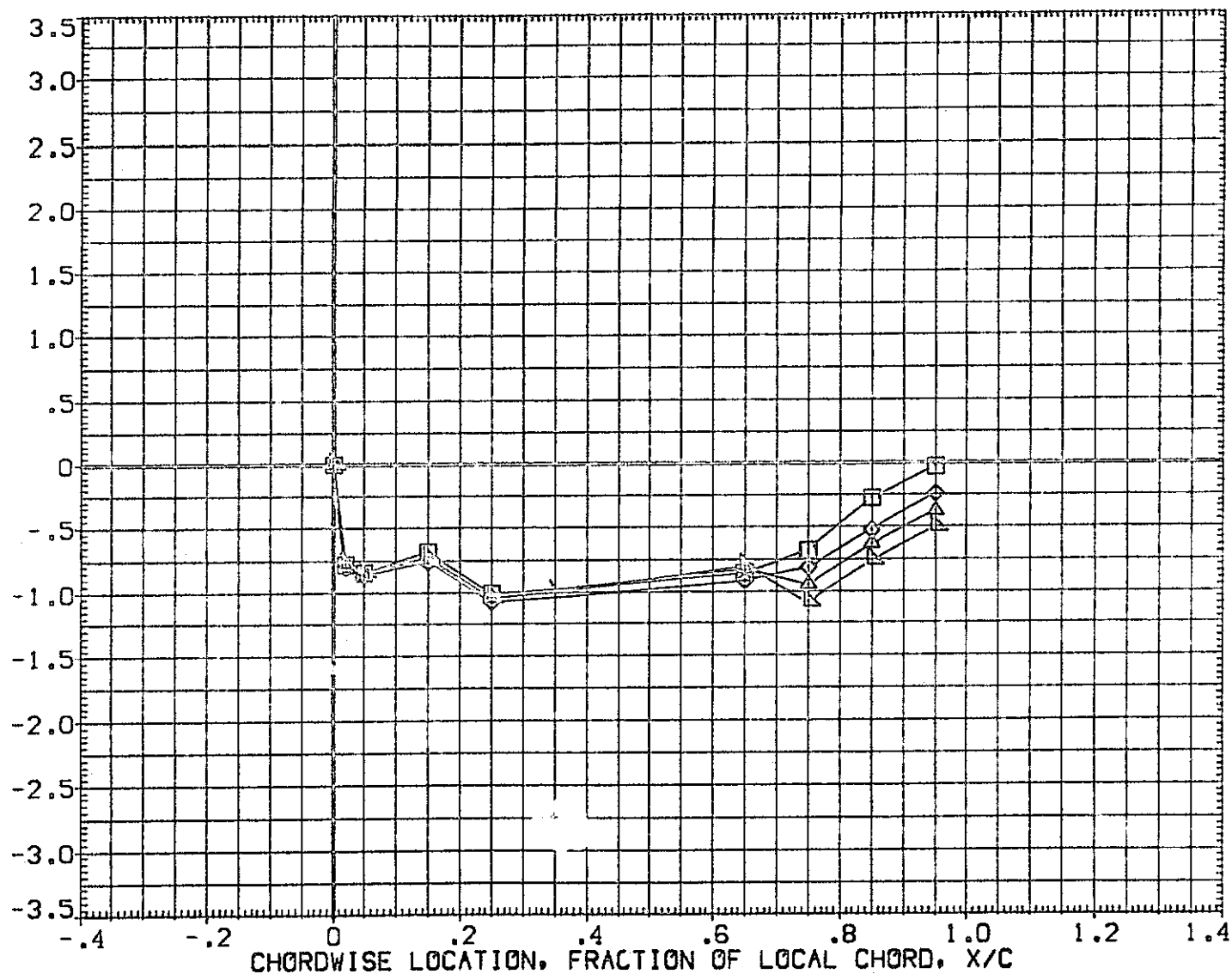


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.240 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

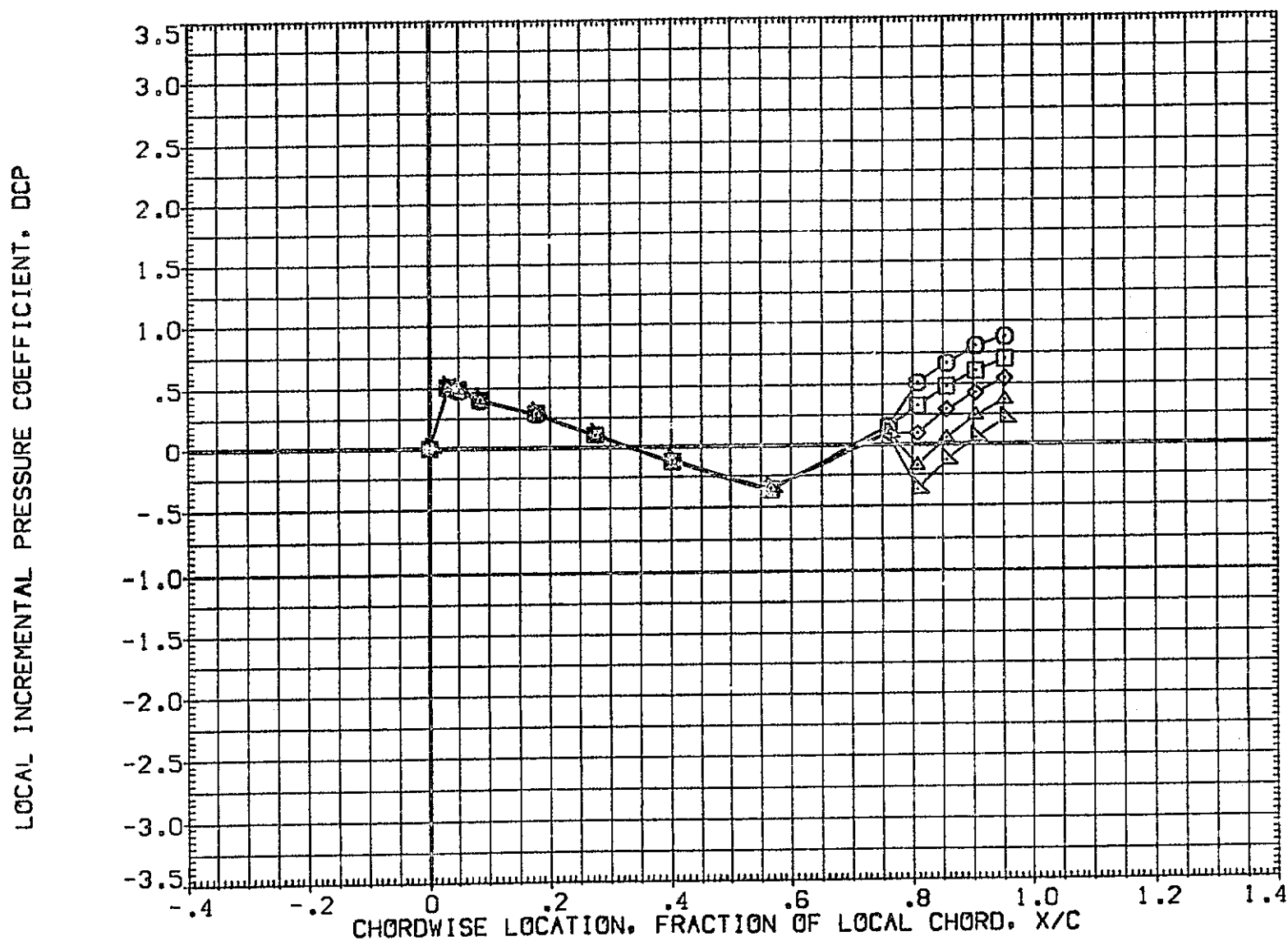


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

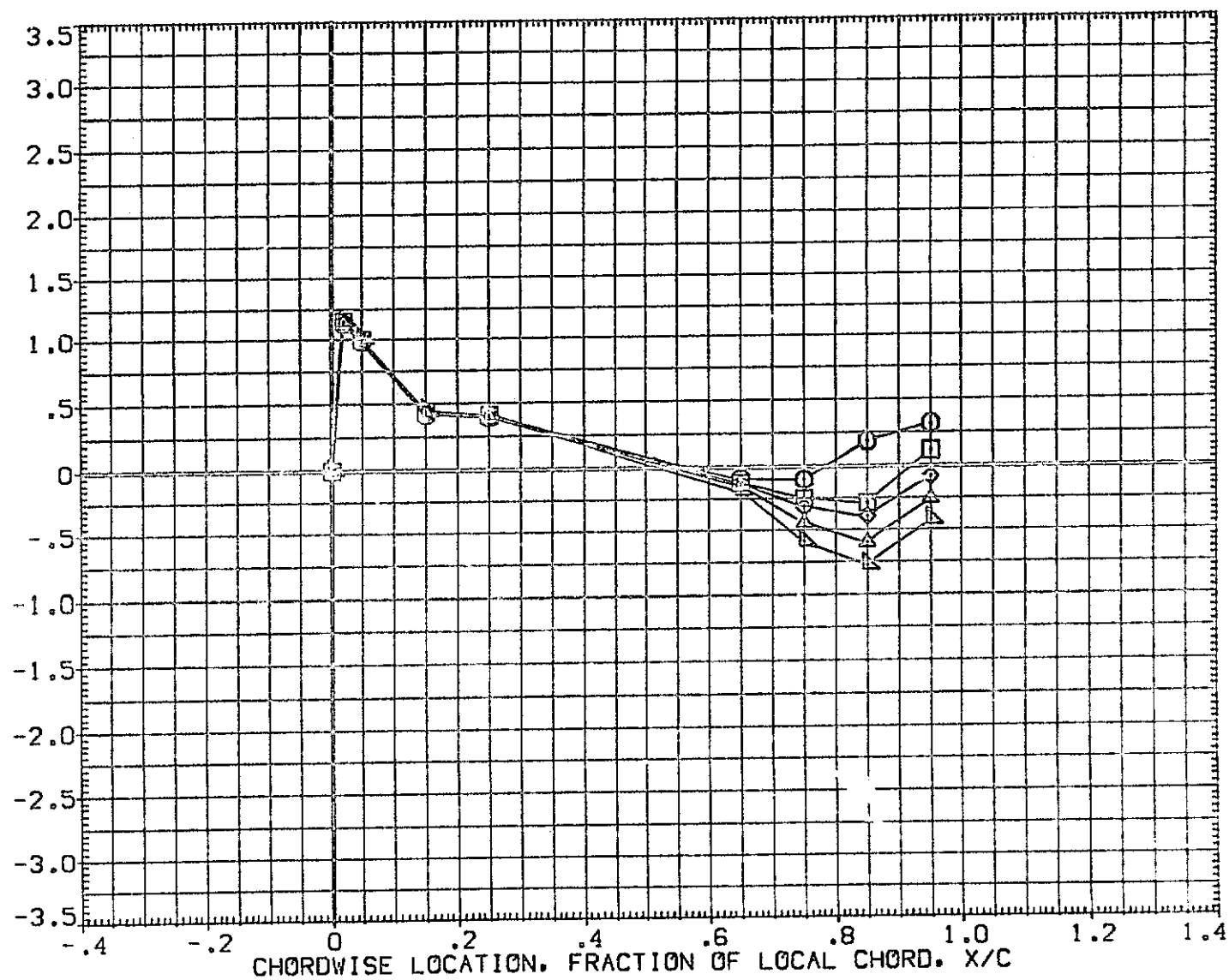


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -8.000 2Y/B = .771 PAGE 396

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	0.000	12.000	12.000	12.000

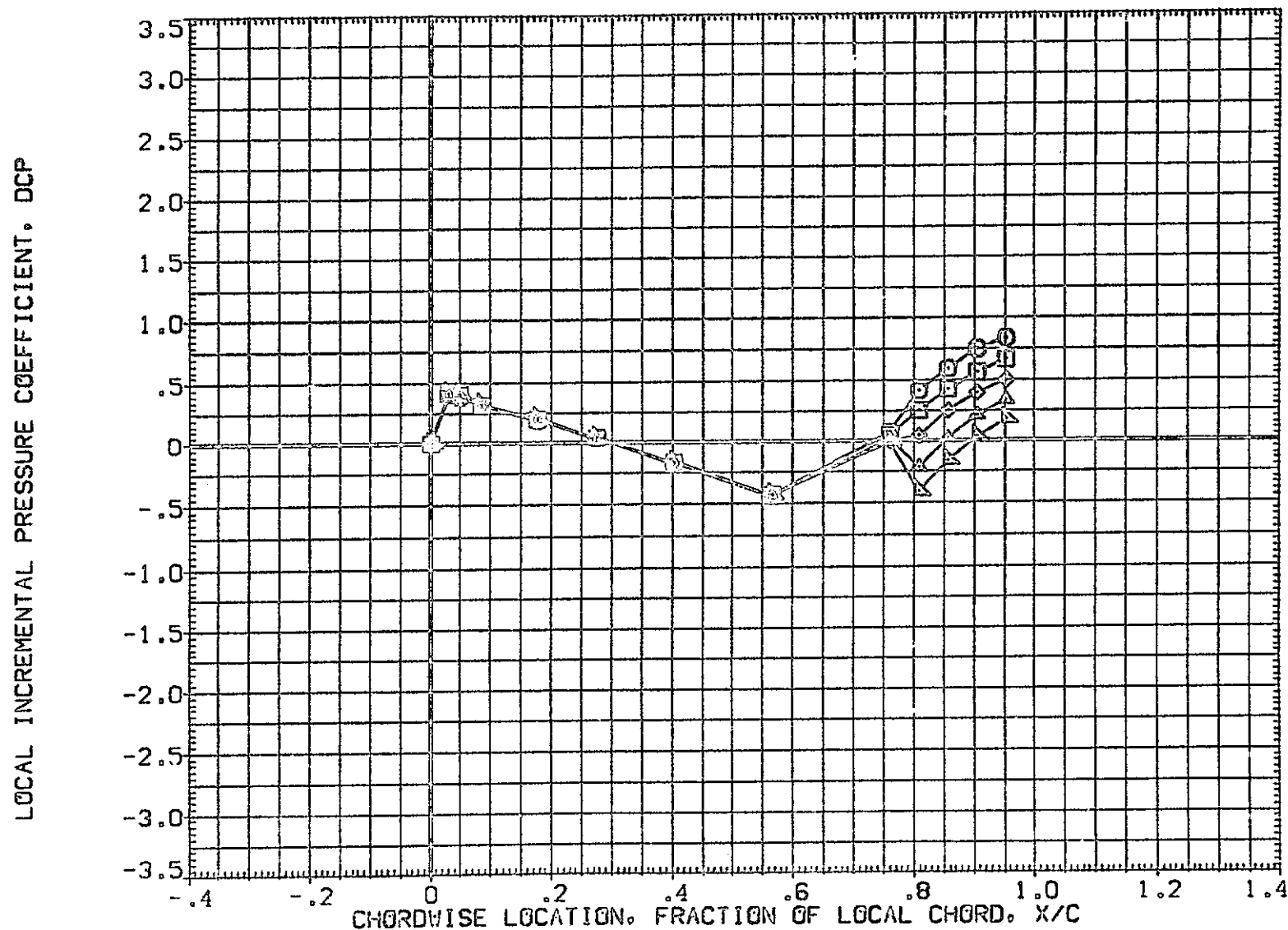


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7033)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	0.000	0.000	0.000	0.000
(AF7059)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	0.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

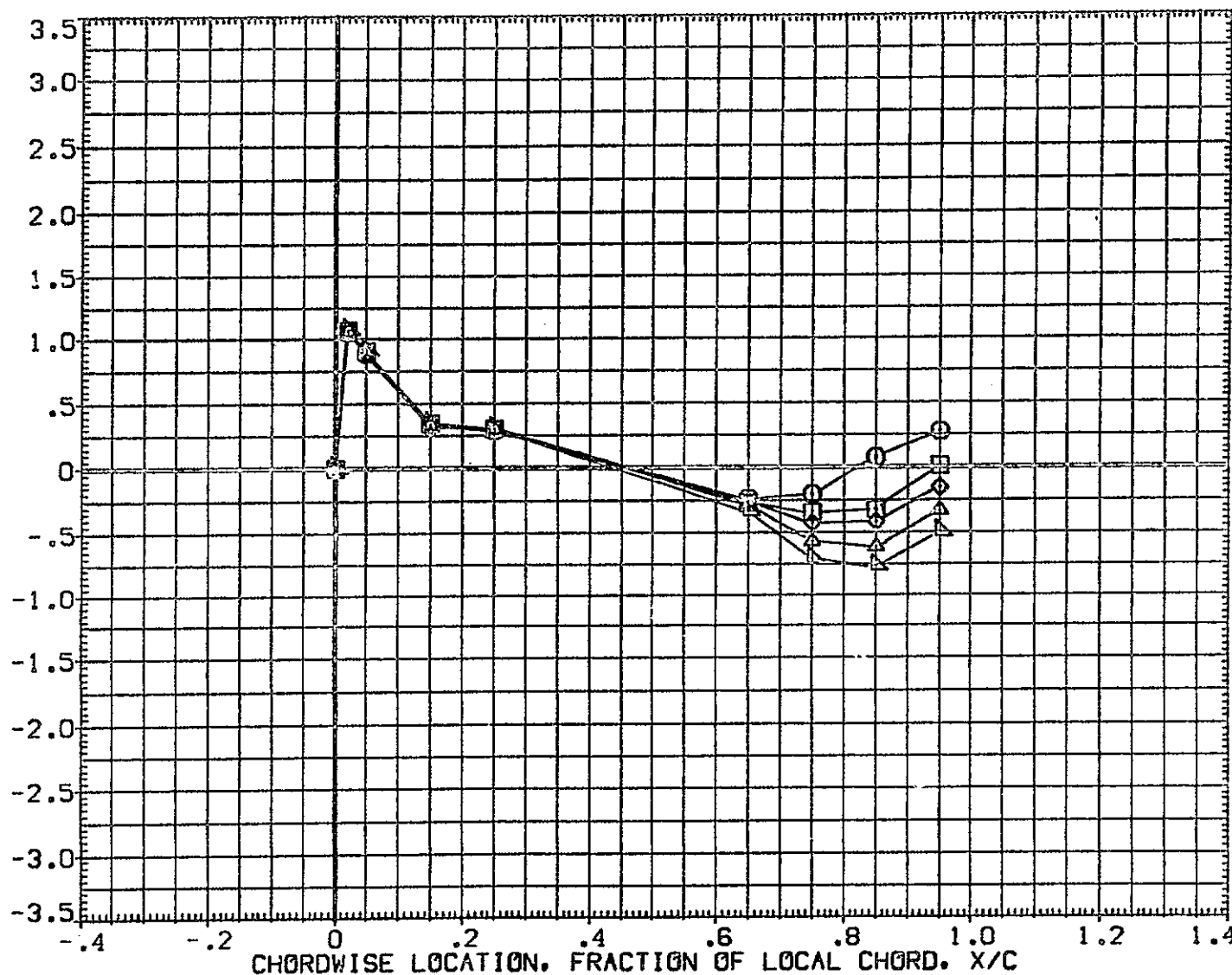


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

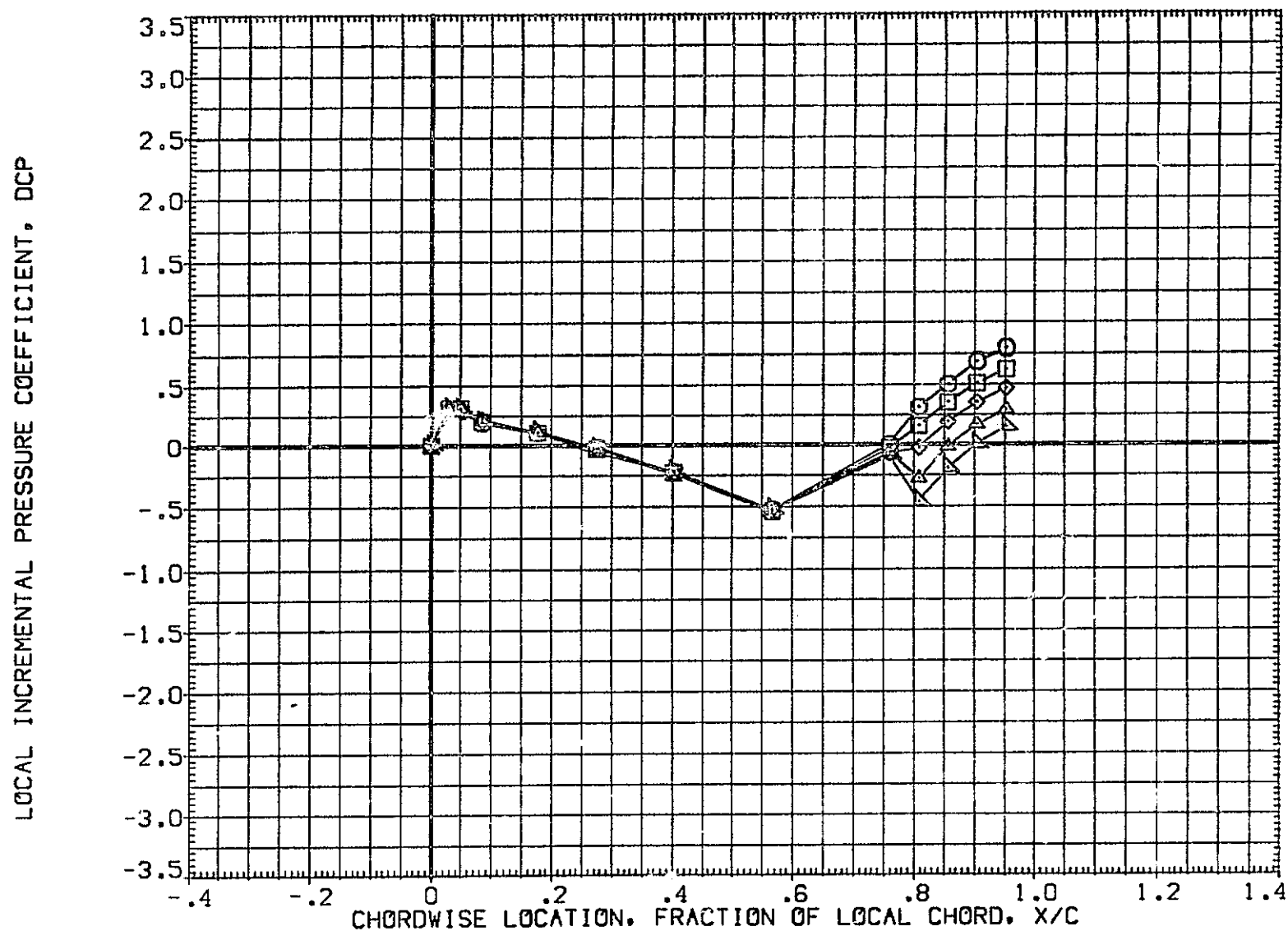


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -4.000 2Y/B = .436 PAGE 399

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7053}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
{AF7043}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7048}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7053}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7058}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

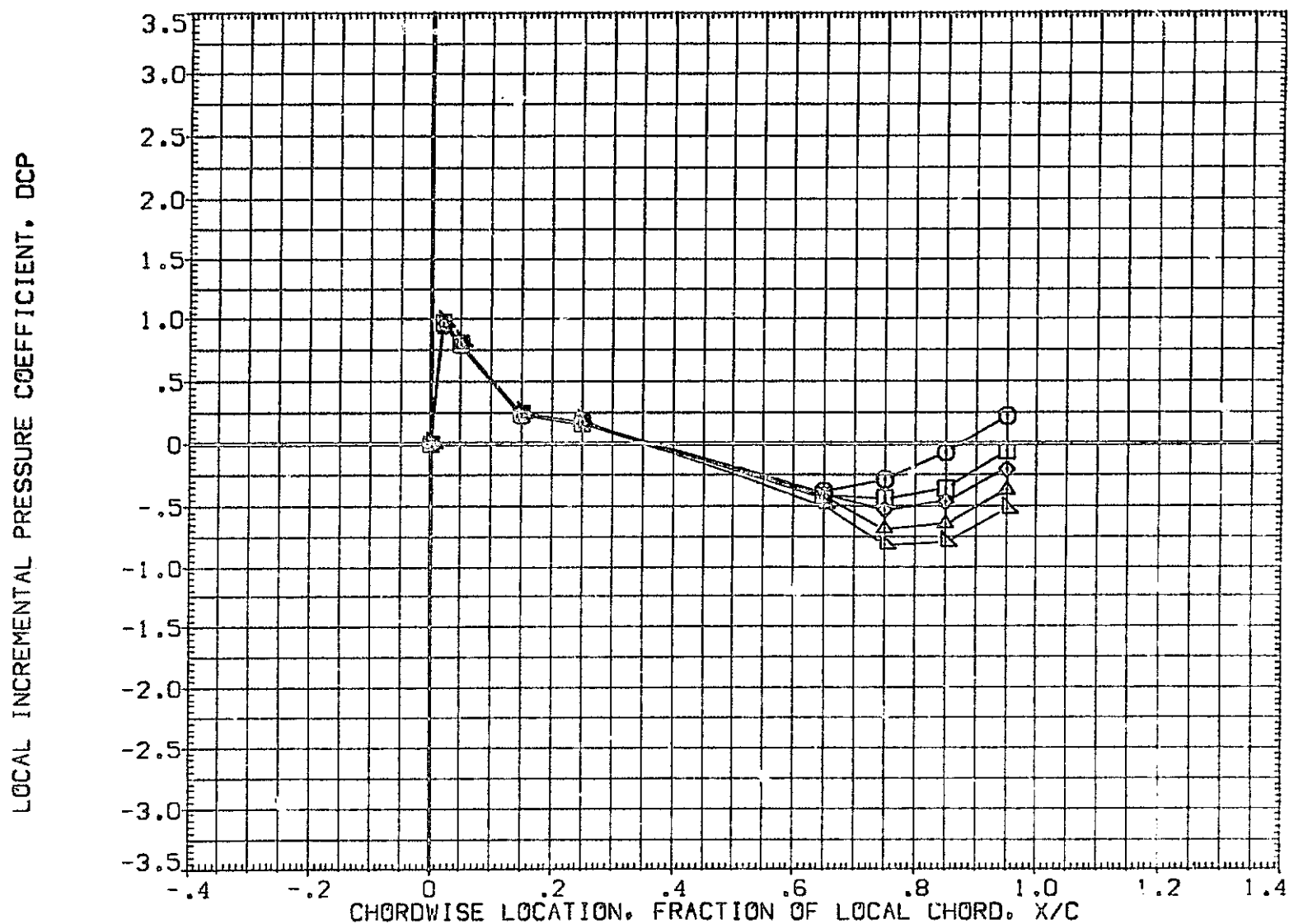


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = -4.000 2Y/B = .771 PAGE 400

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

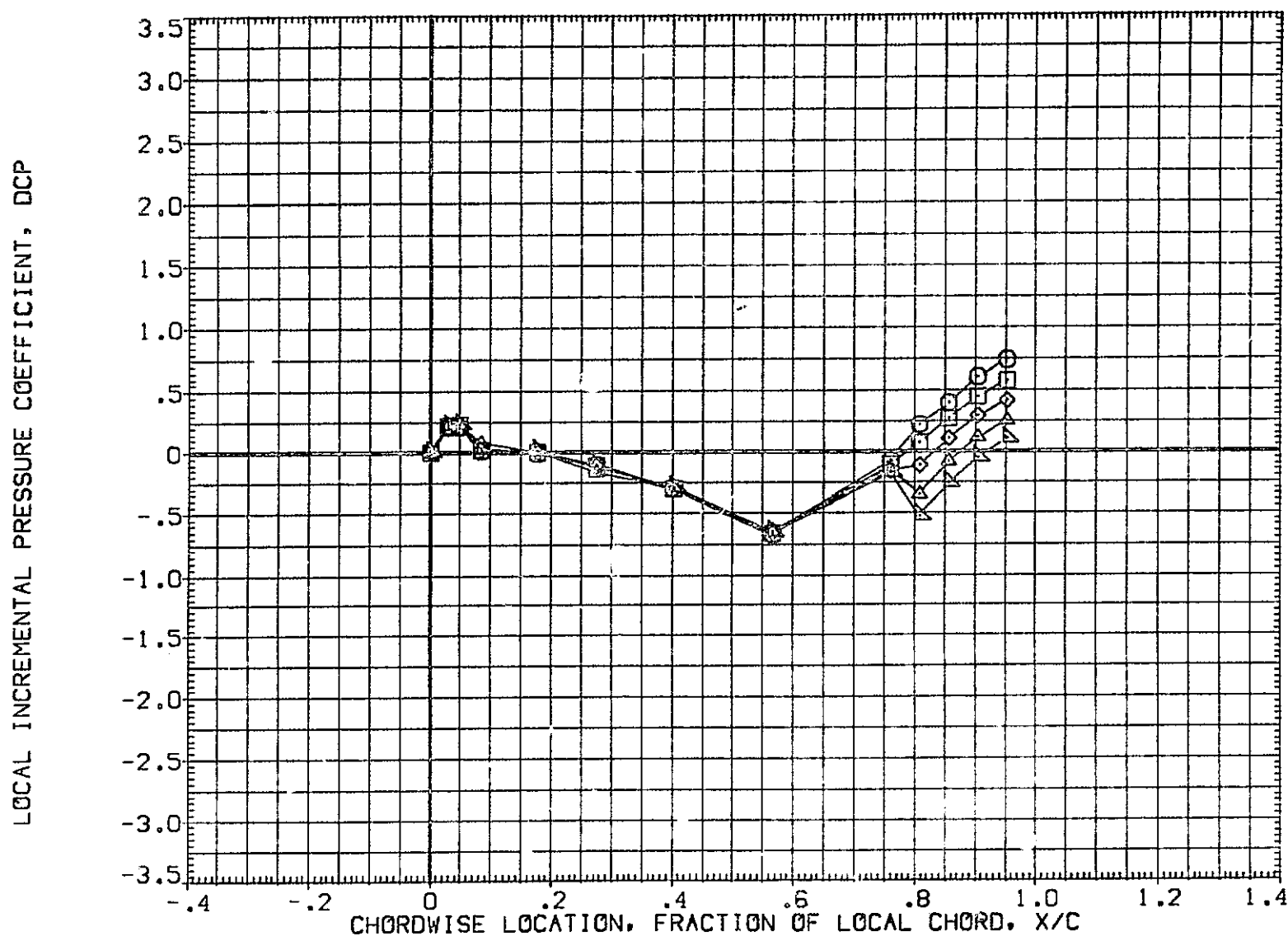


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -2.000 2Y/B = .436 PAGE 401

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	2.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

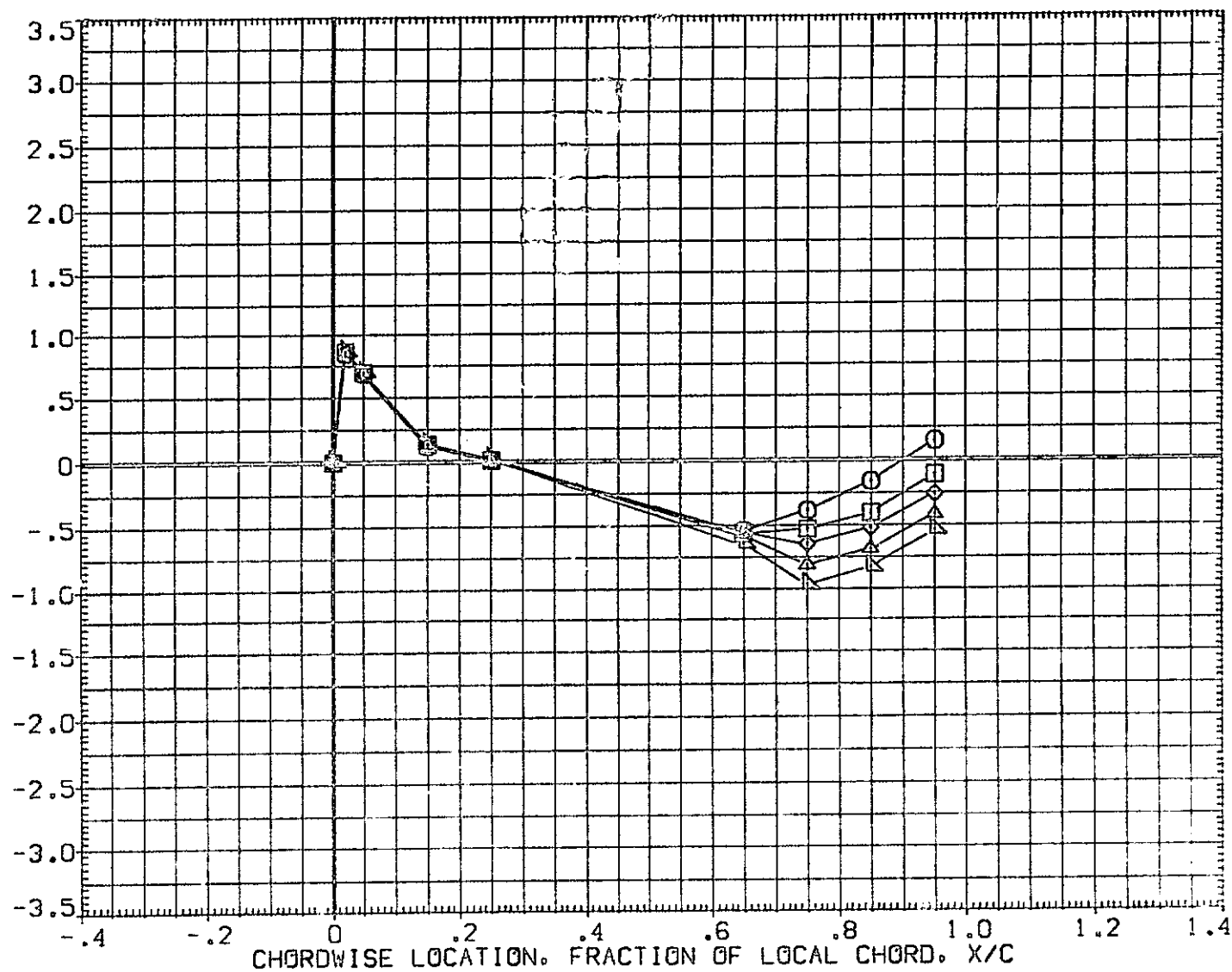


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = -2.000 2Y/B = .771 PAGE 402

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7040]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

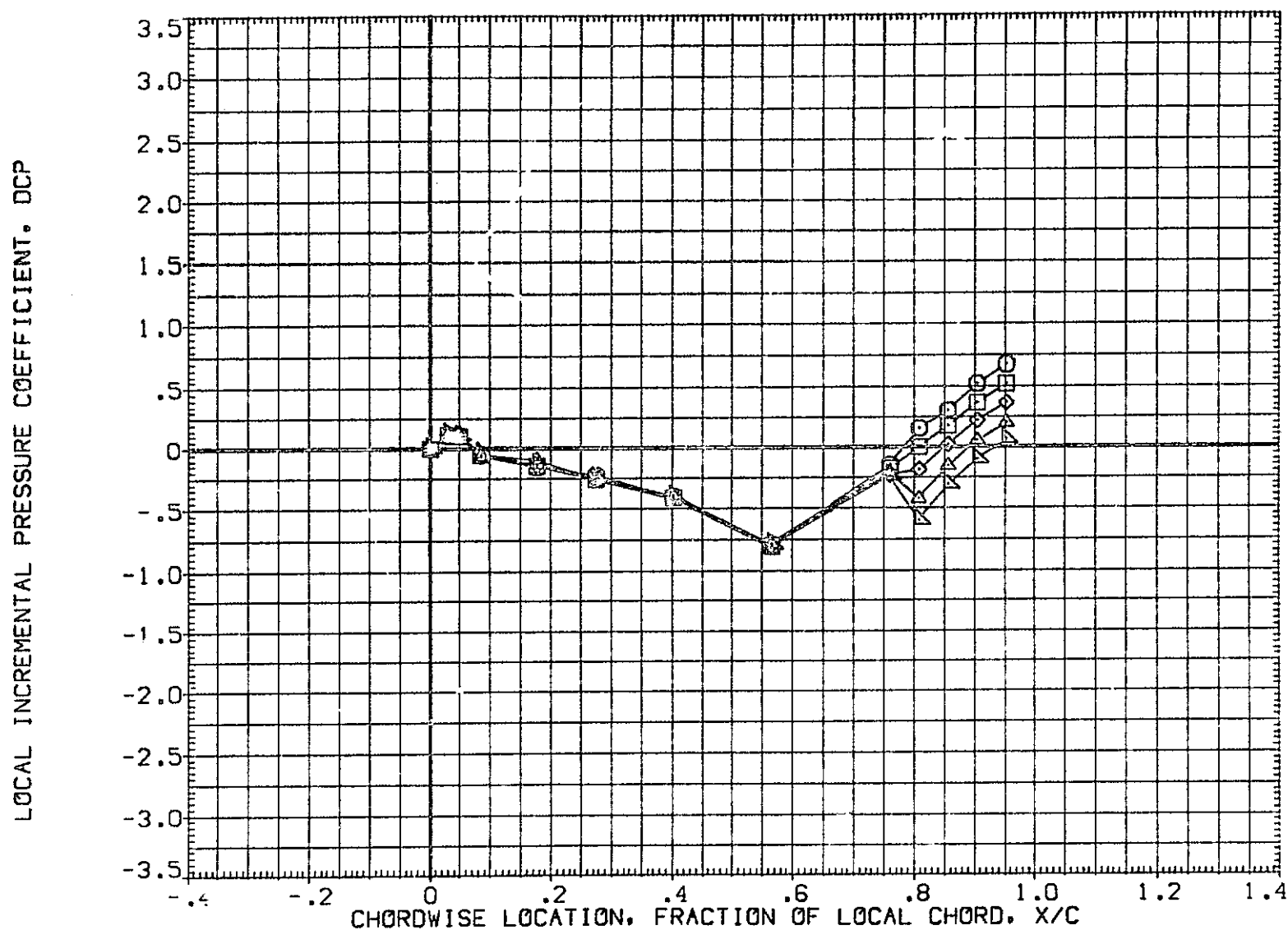


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = .000 2Y/B = .436 PAGE 403

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

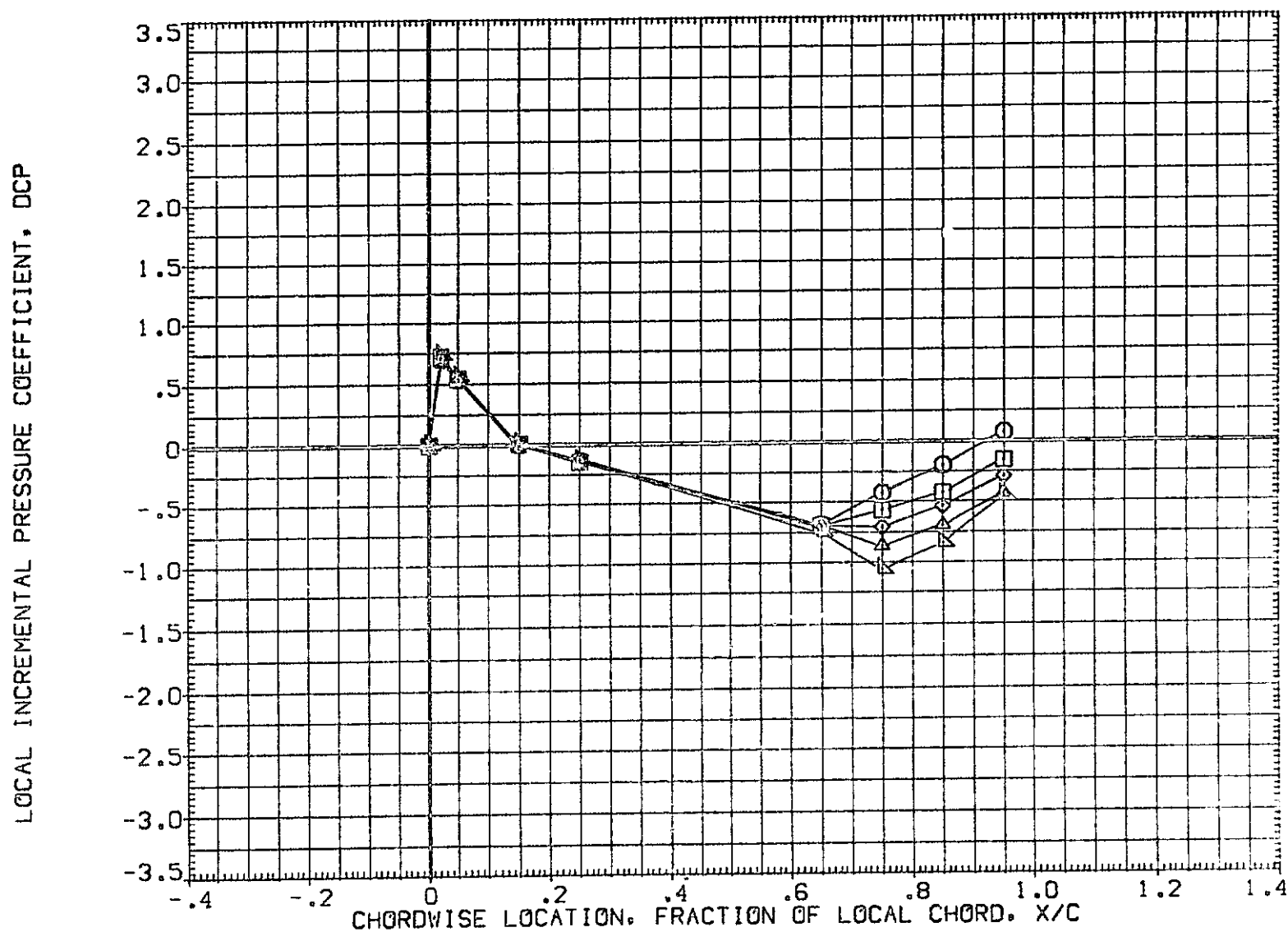


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

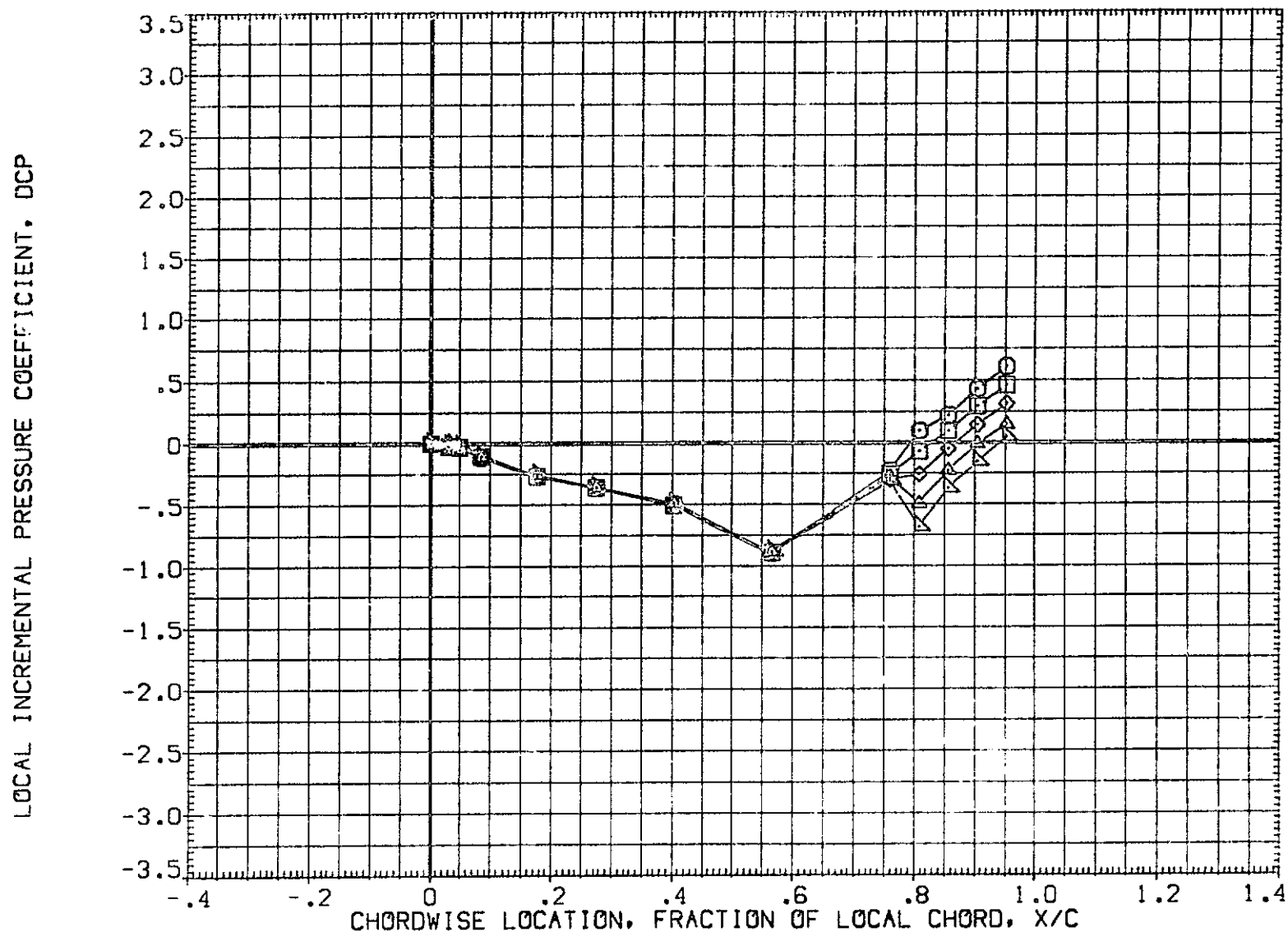


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 2.000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	○	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	◇	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	×	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	△	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	▽	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

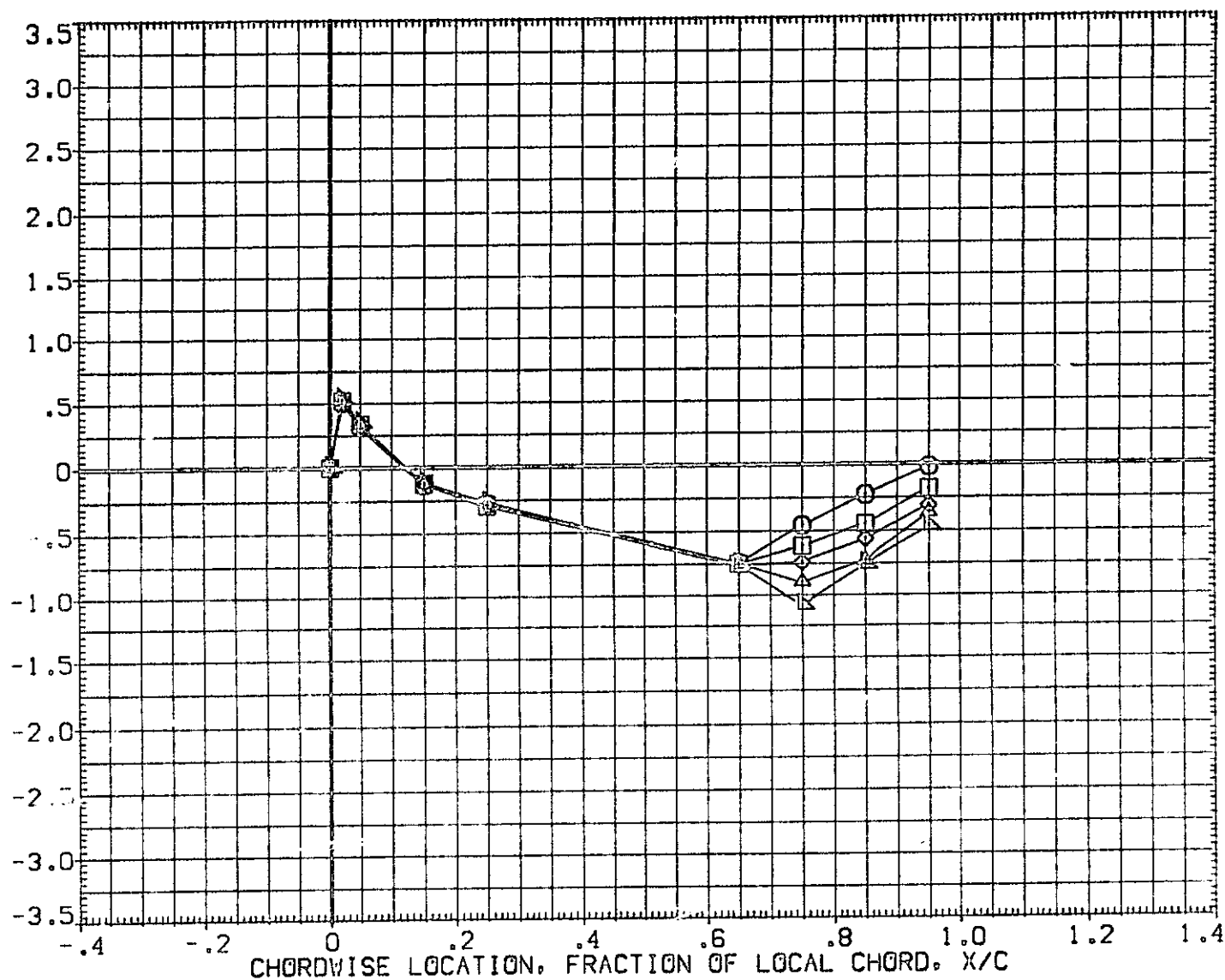


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 2.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7063)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
(AF7043)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7048)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7053)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7058)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

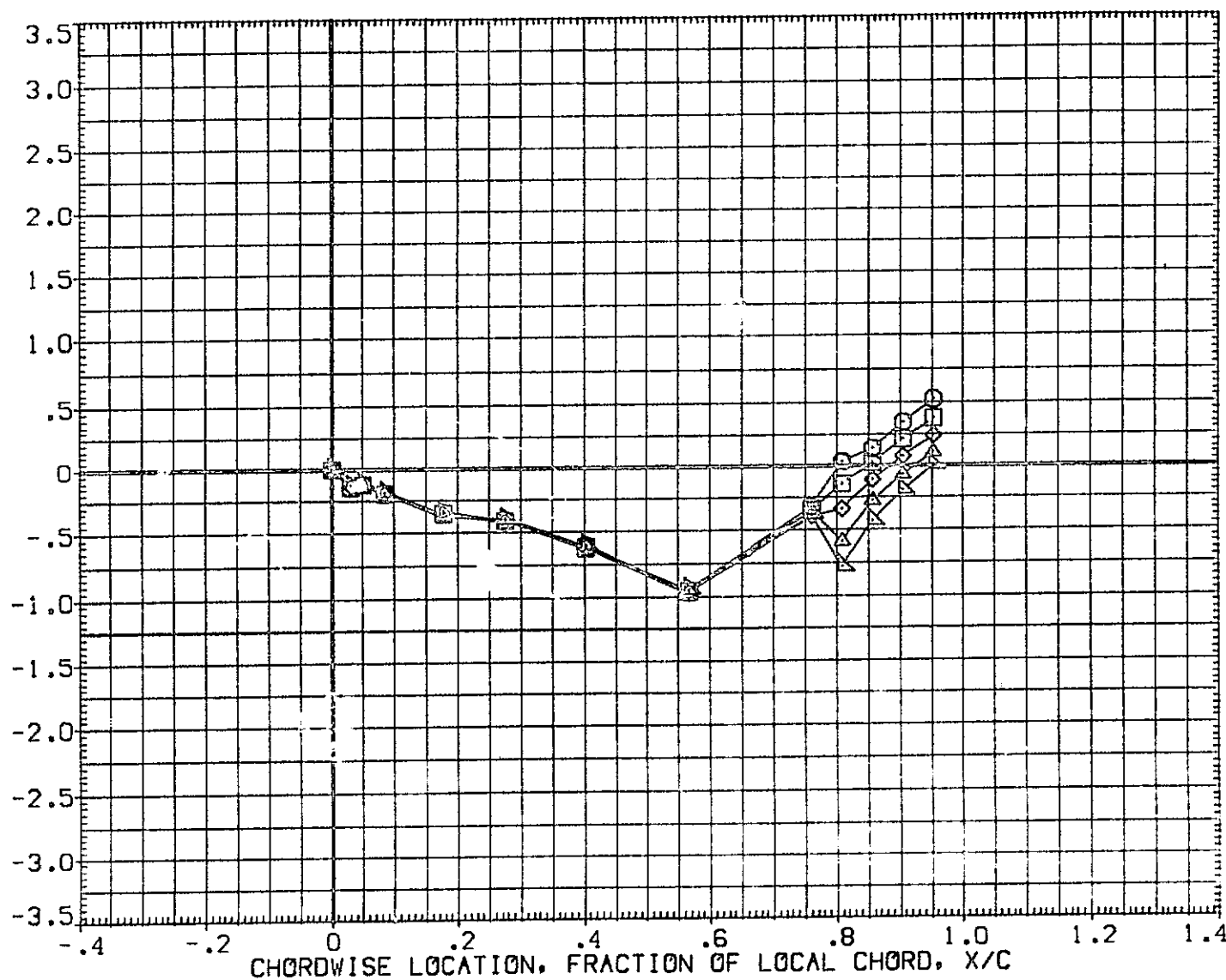


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

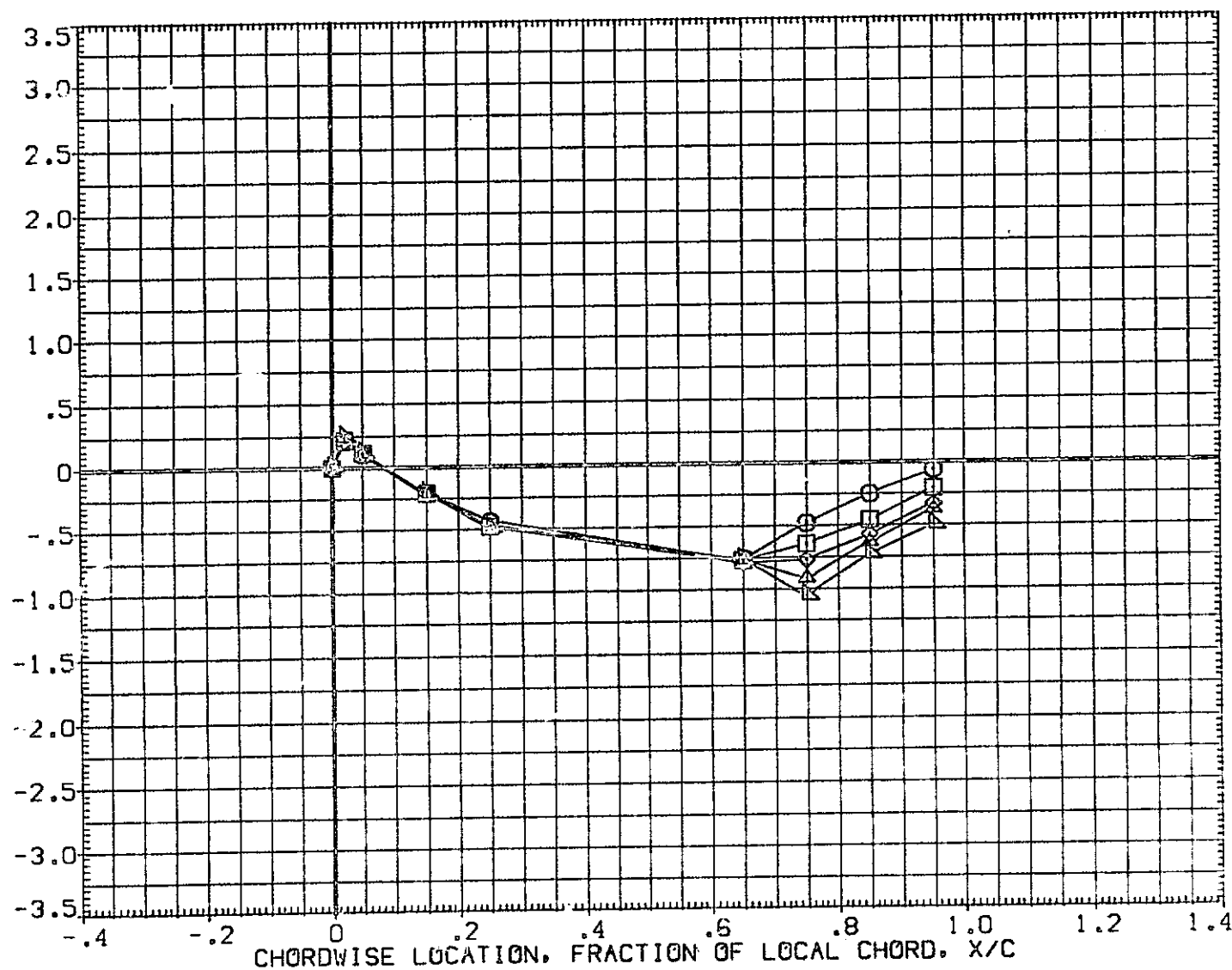


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8
MACH = 1.500 ALPHA = 4.000 2Y/B = .771 PAGE 408

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7063}	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
{AF7043}	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7048}	×	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7053}	×	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7058}	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

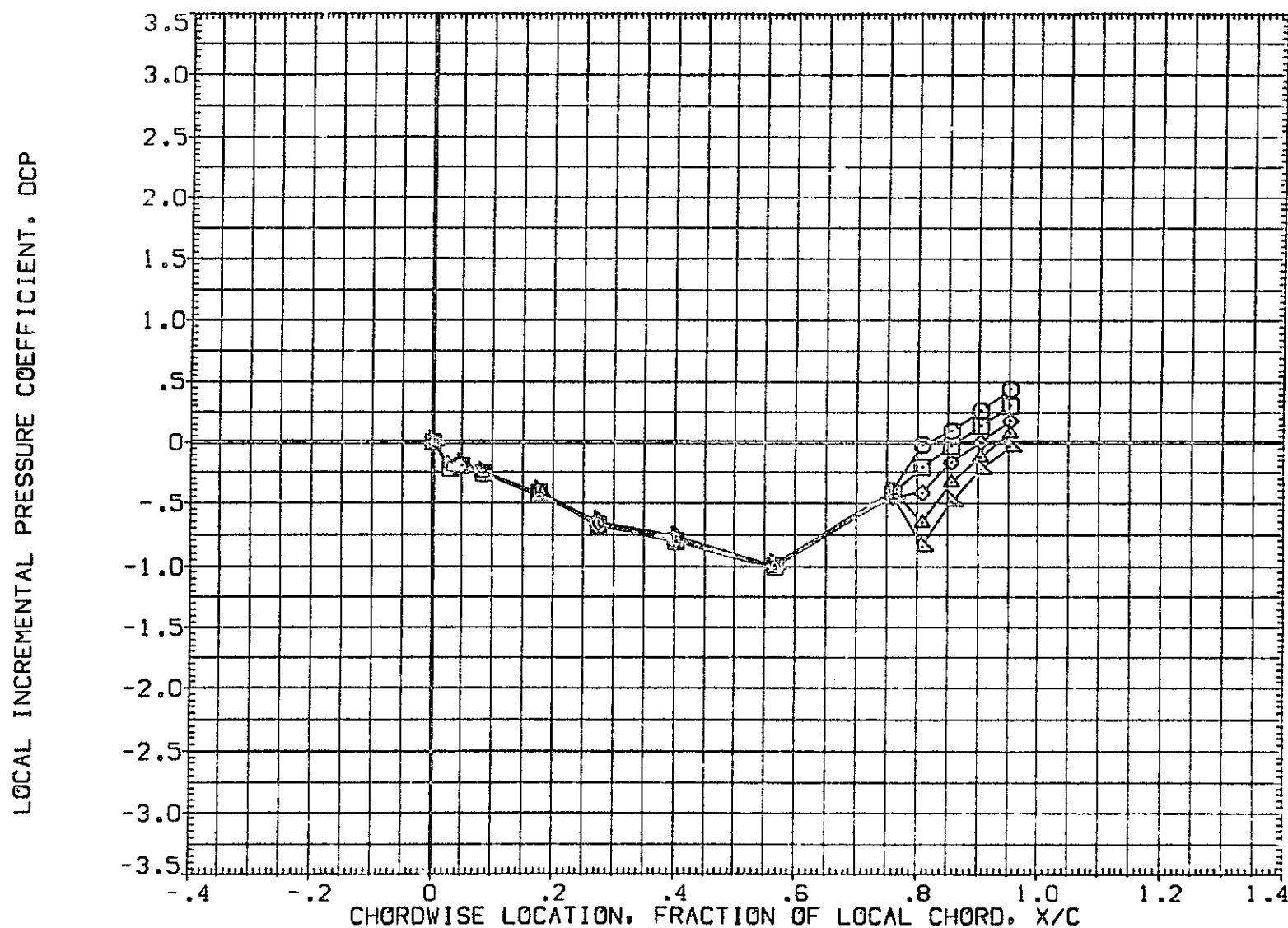


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 6.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

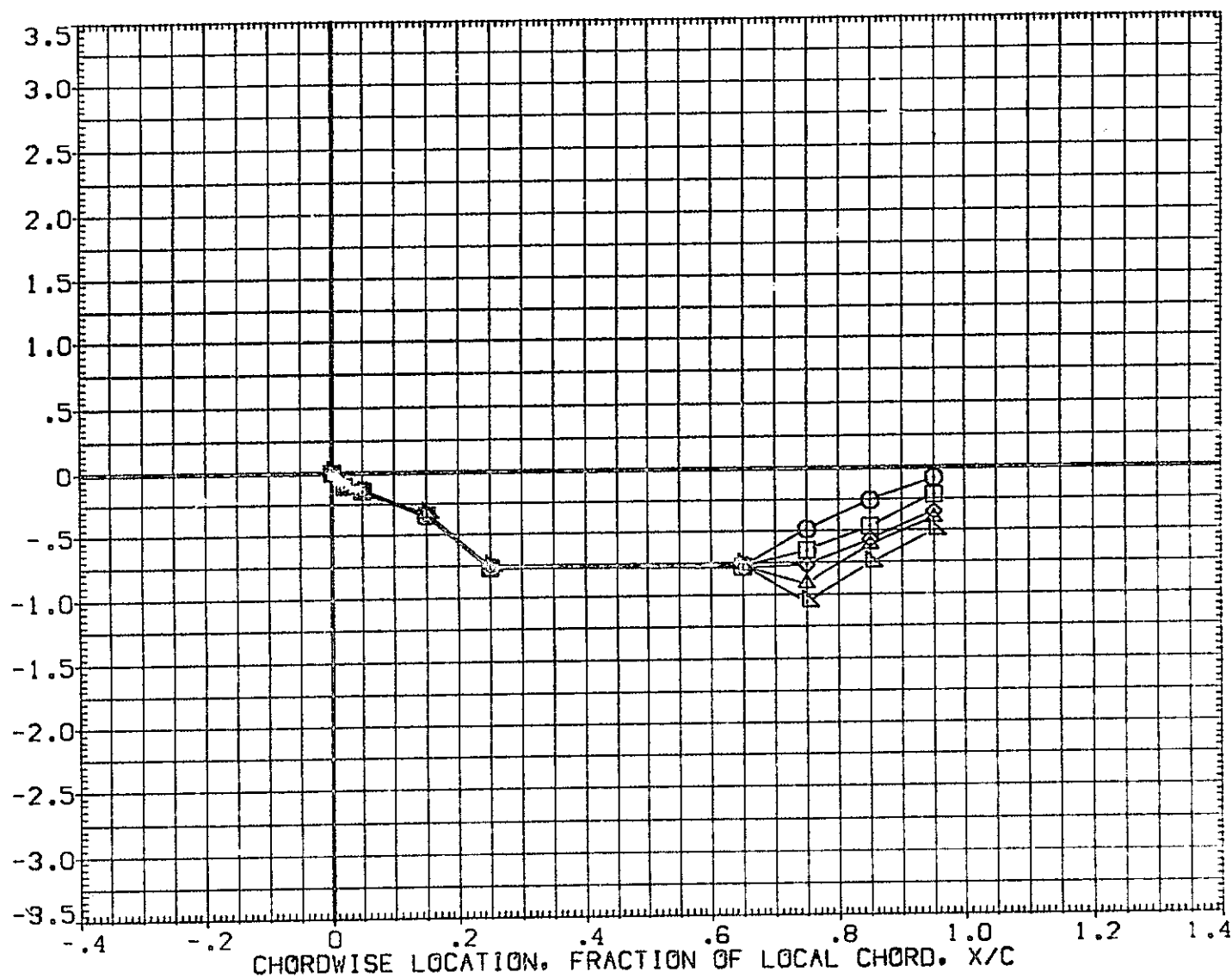


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 6.000 2Y/B = .771

PAGE 410

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7063]	□ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	◇ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	○ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	△ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	▽ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

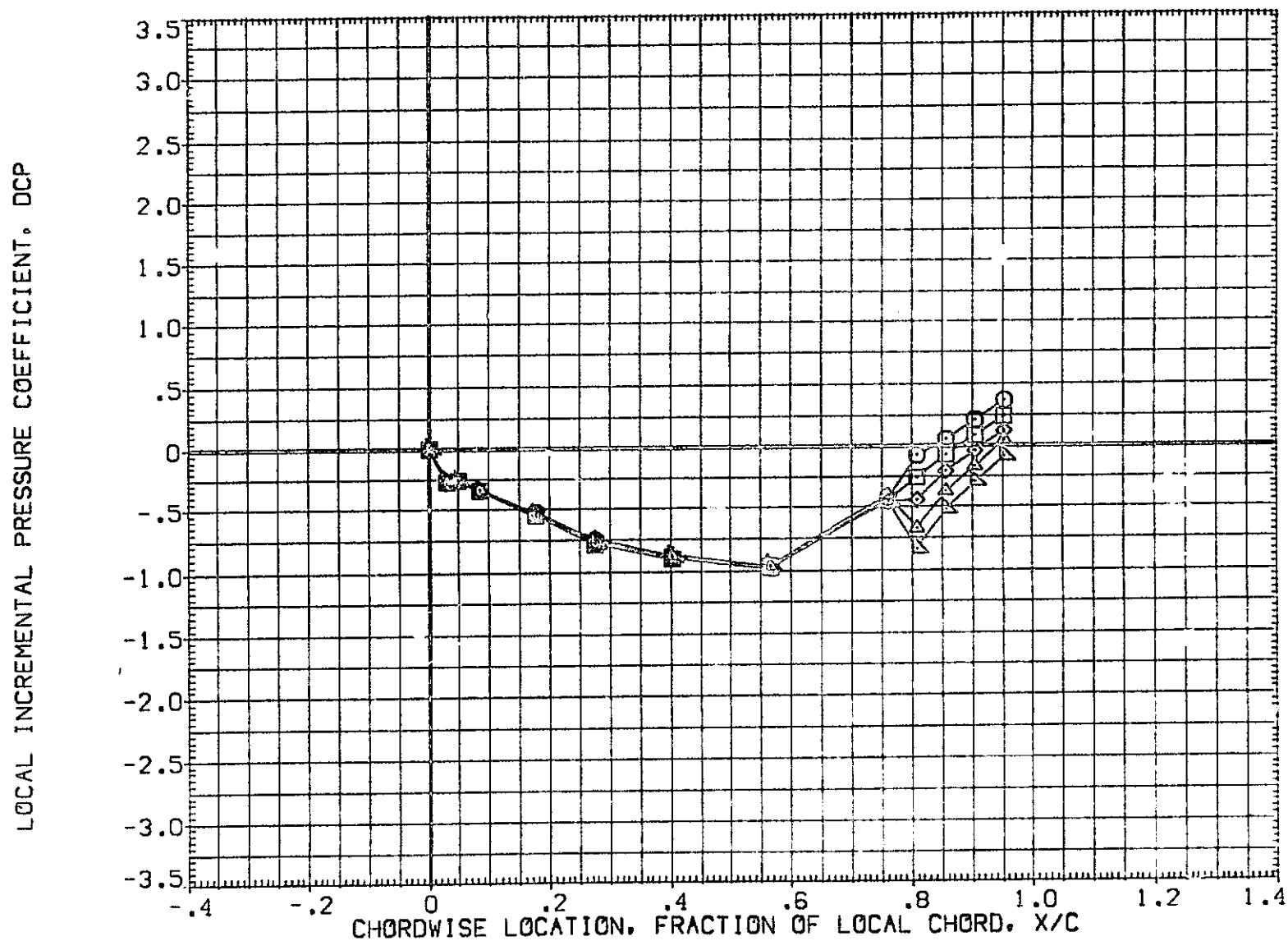


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 8.000 2Y/B = .436 PAGE 411

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	-4.000	.000	-4.000	-4.000
[AF7043]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7048]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7053]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7058]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

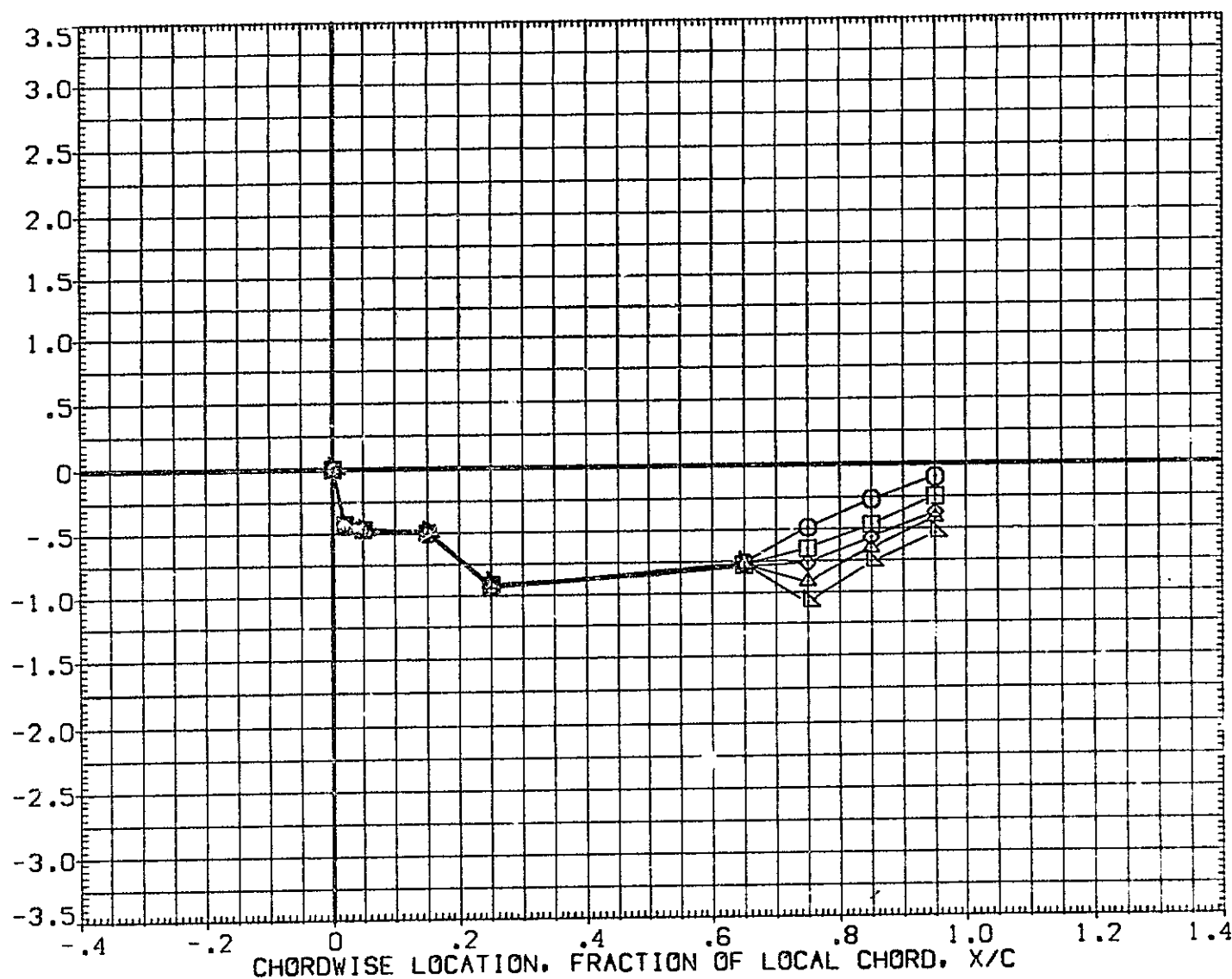


FIG 25 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 8

MACH = 1.500 ALPHA = 8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

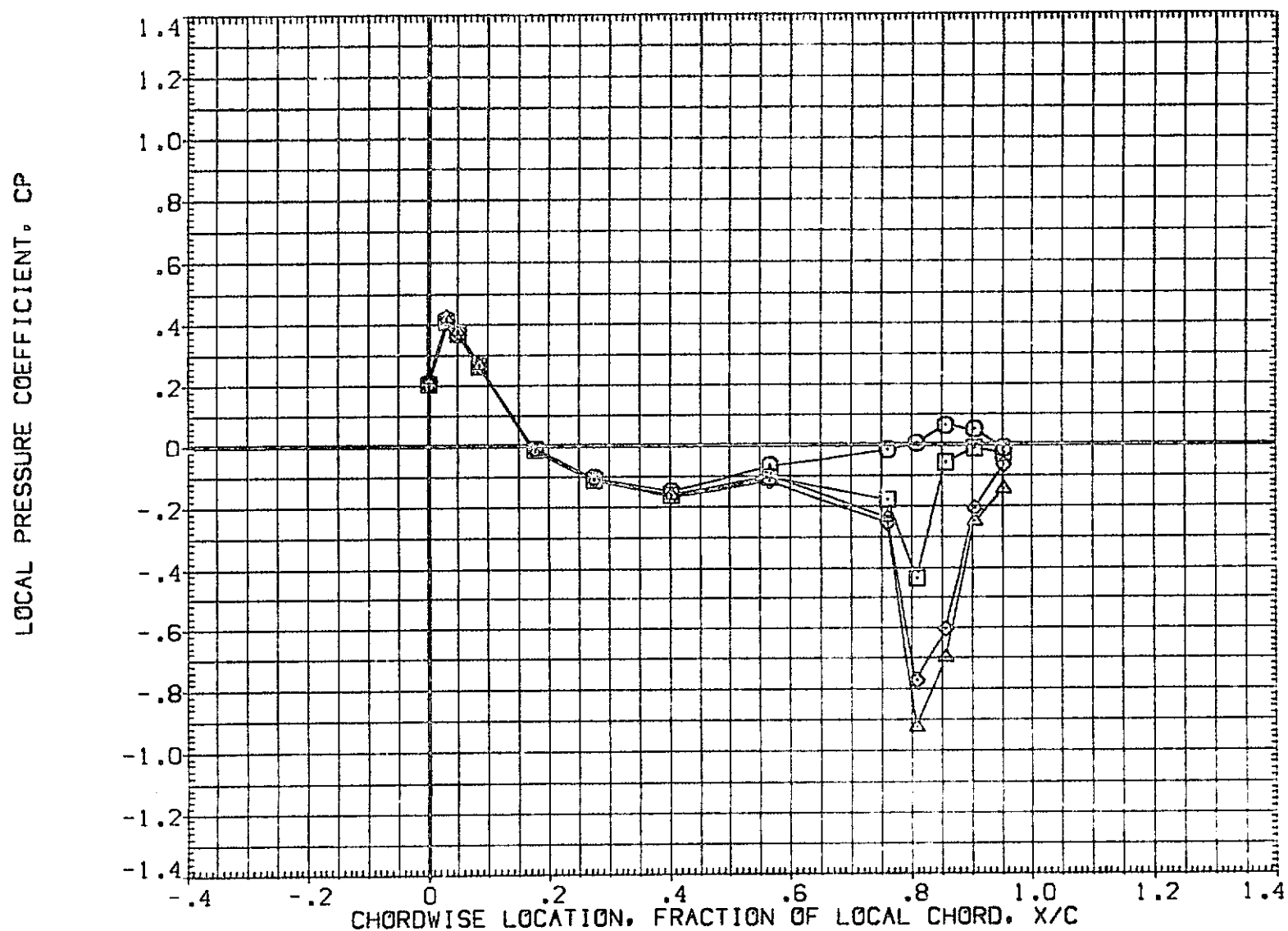


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -8.000 2Y/B = .436 PAGE 413

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

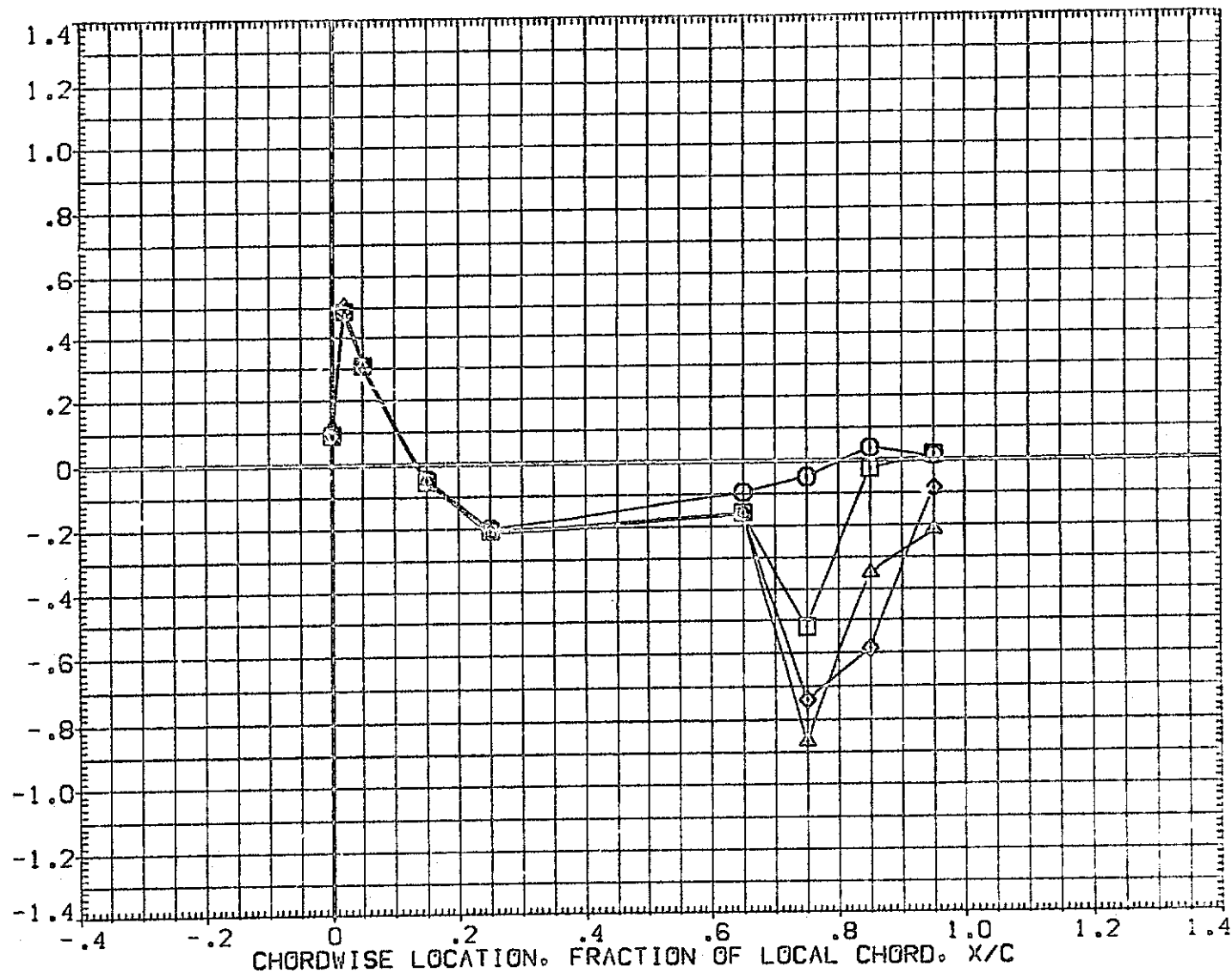


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -8.000 2Y/B = .771

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	○	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	□	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	◇	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	△	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	9.000	12.000	12.000	12.000

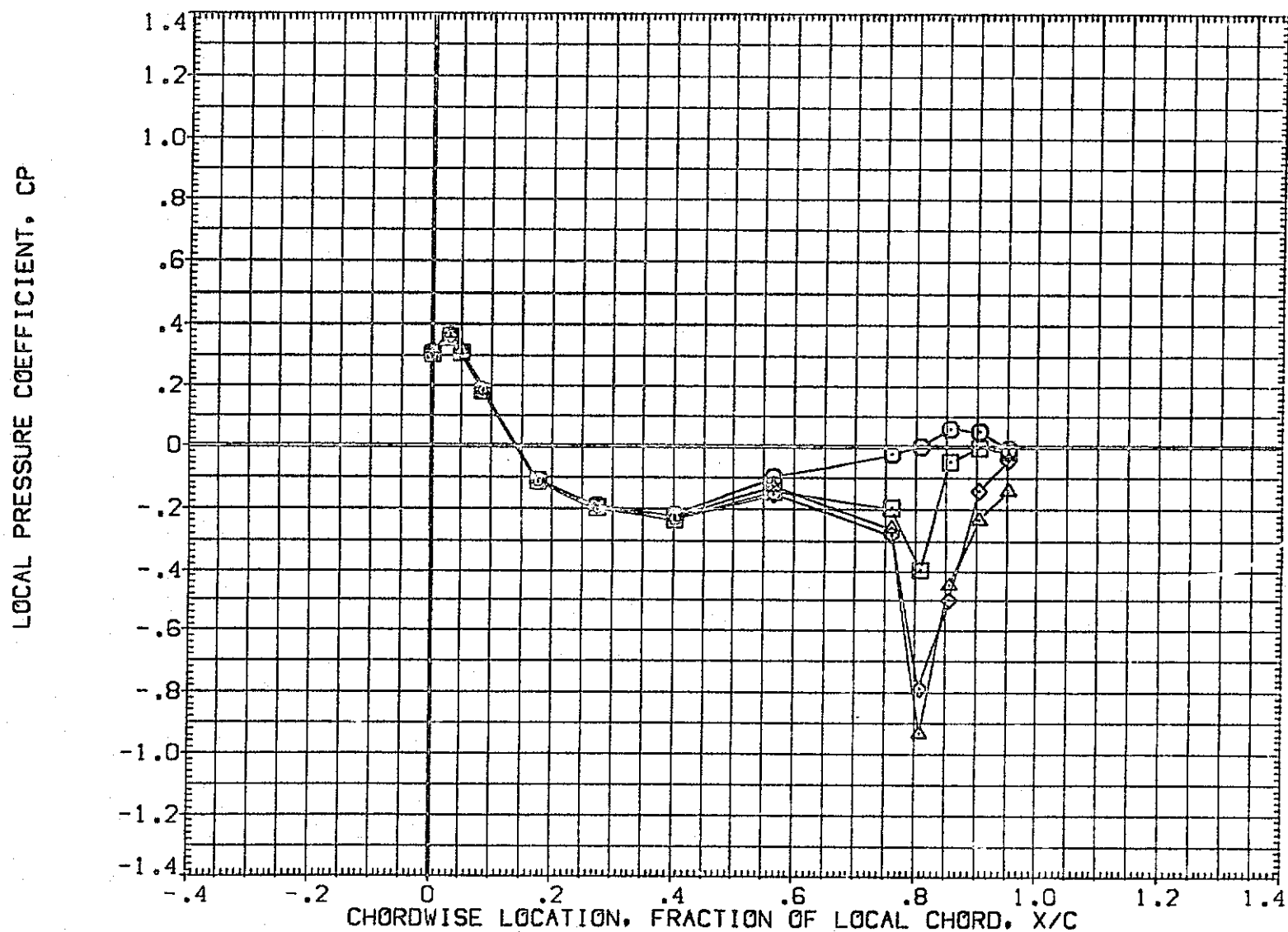


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

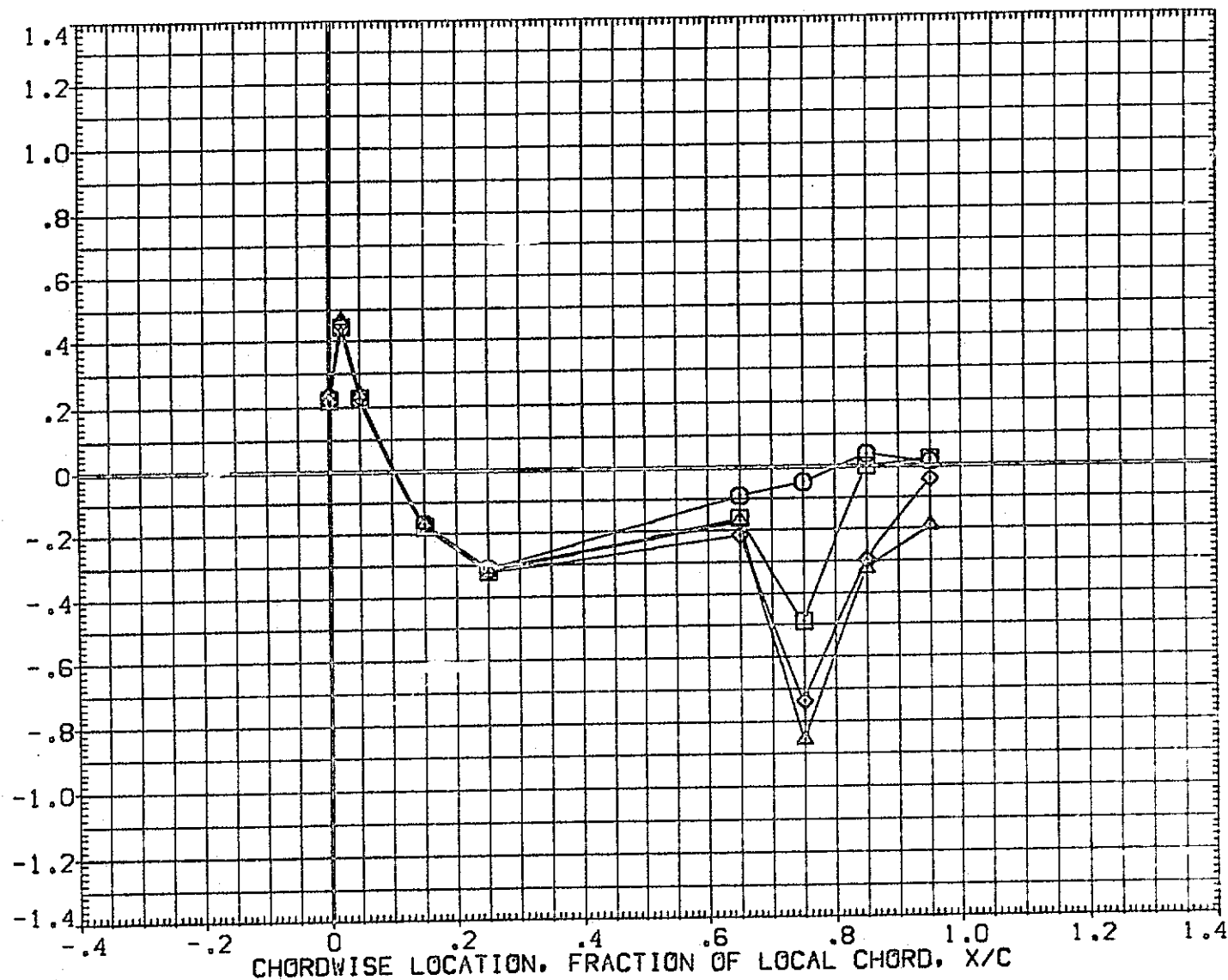


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	○ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	□ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	◇ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	△ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

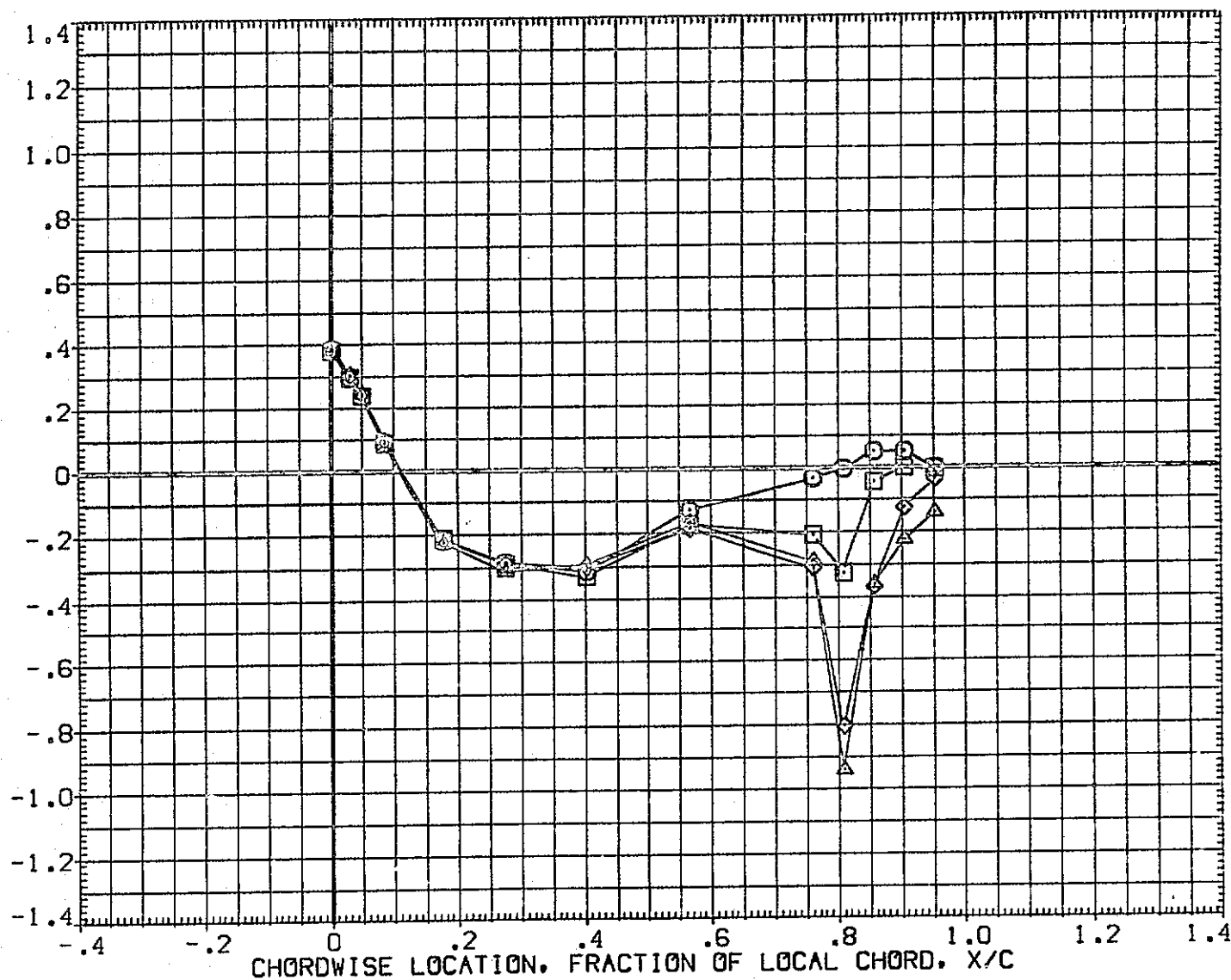


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

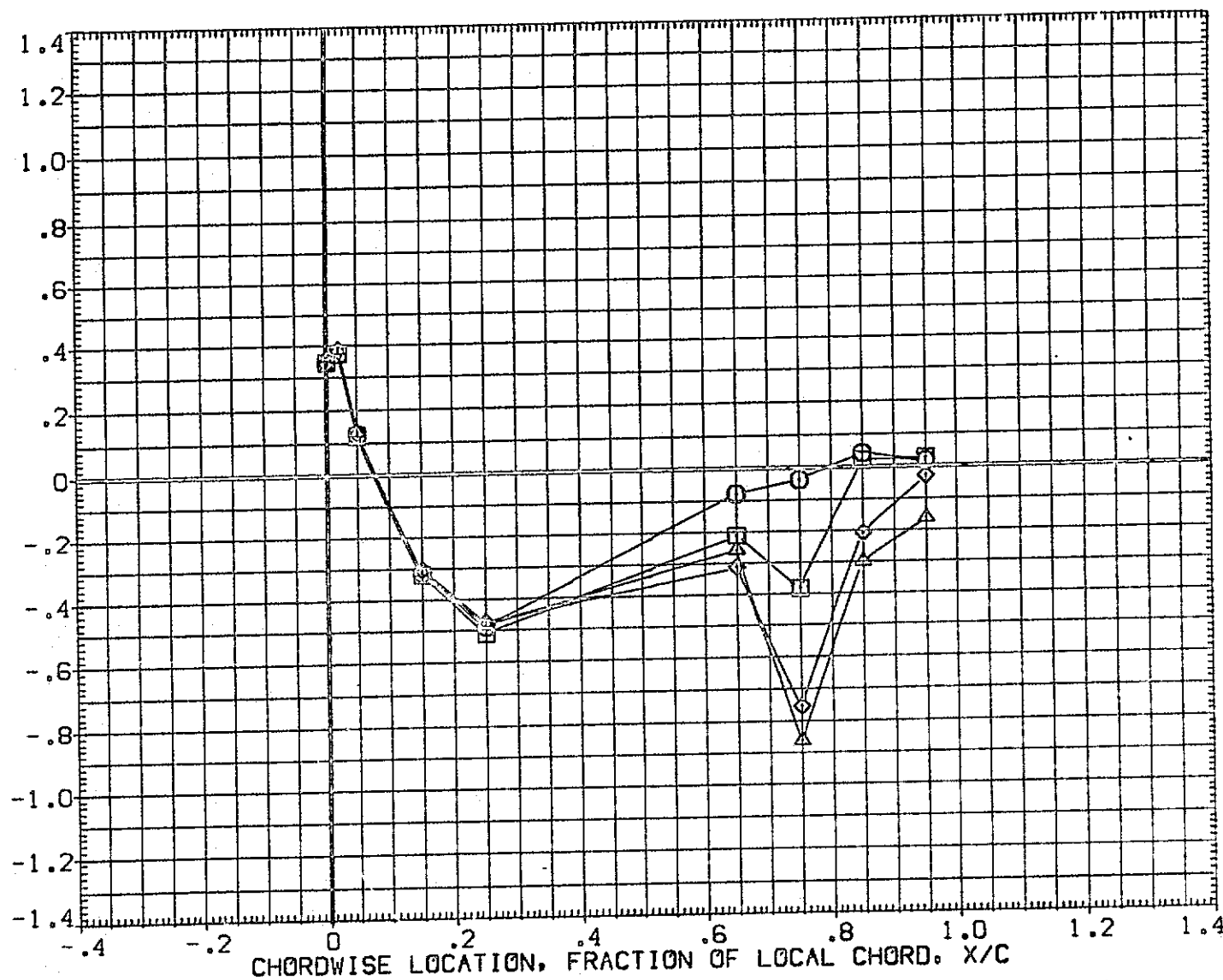


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

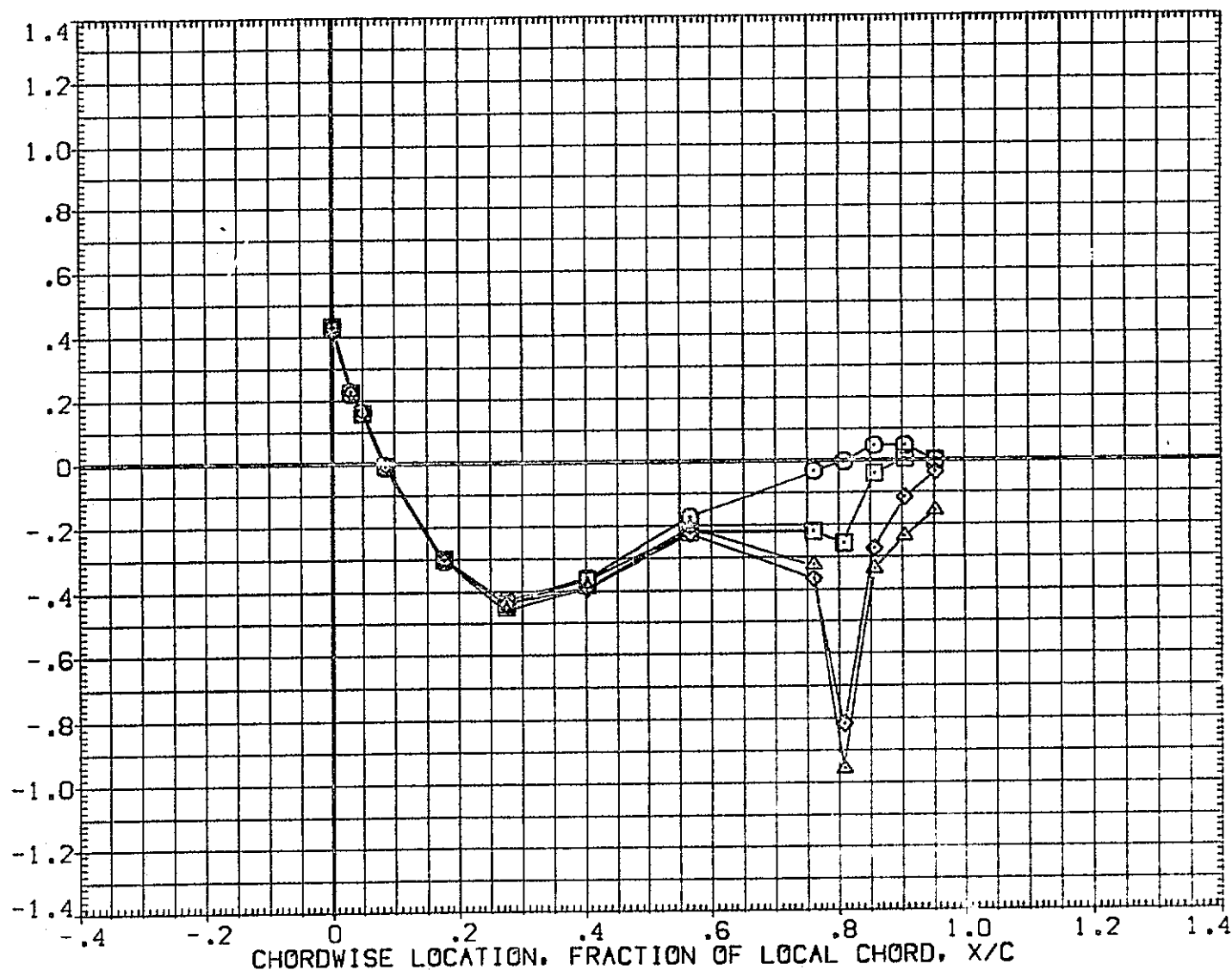


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

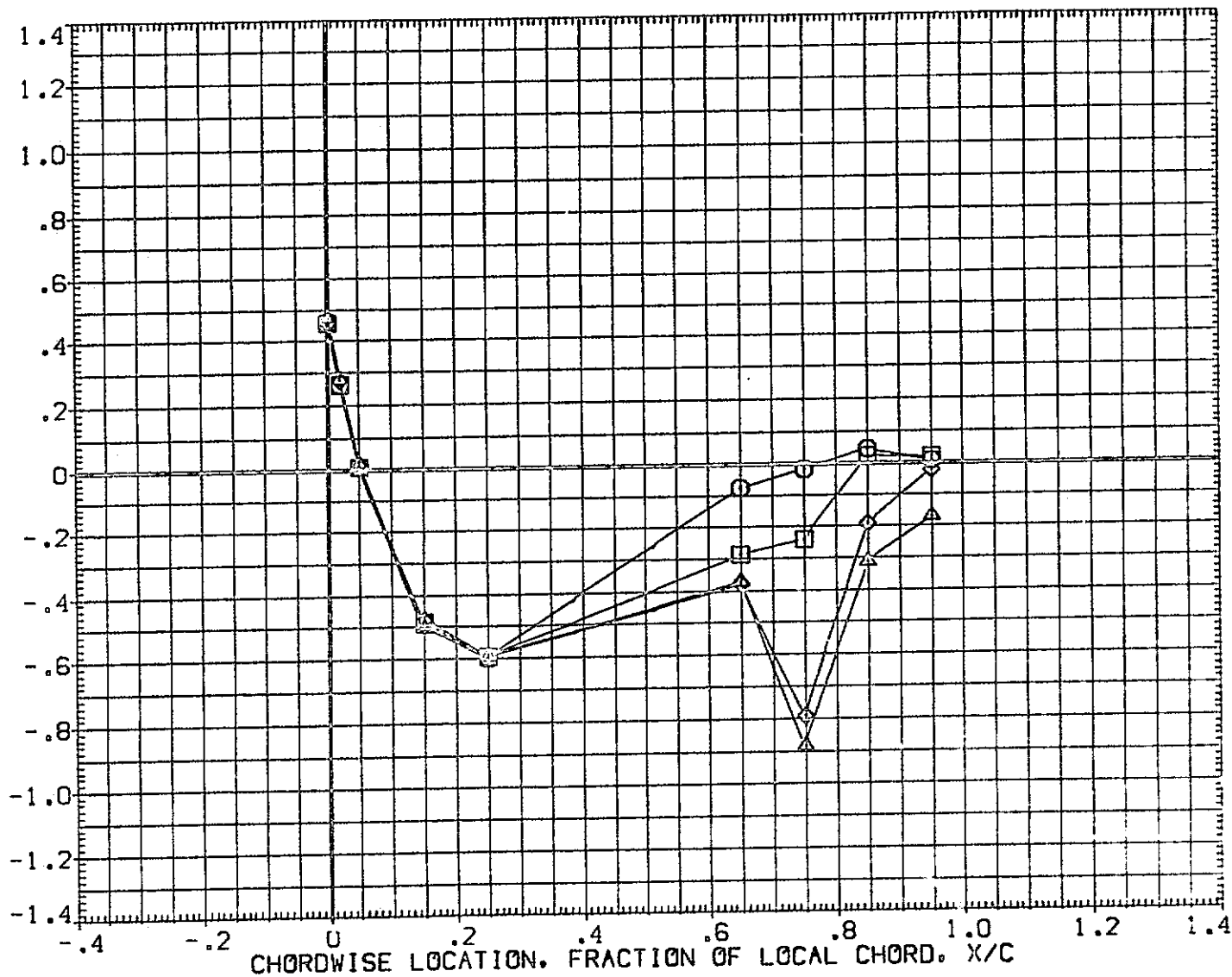


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

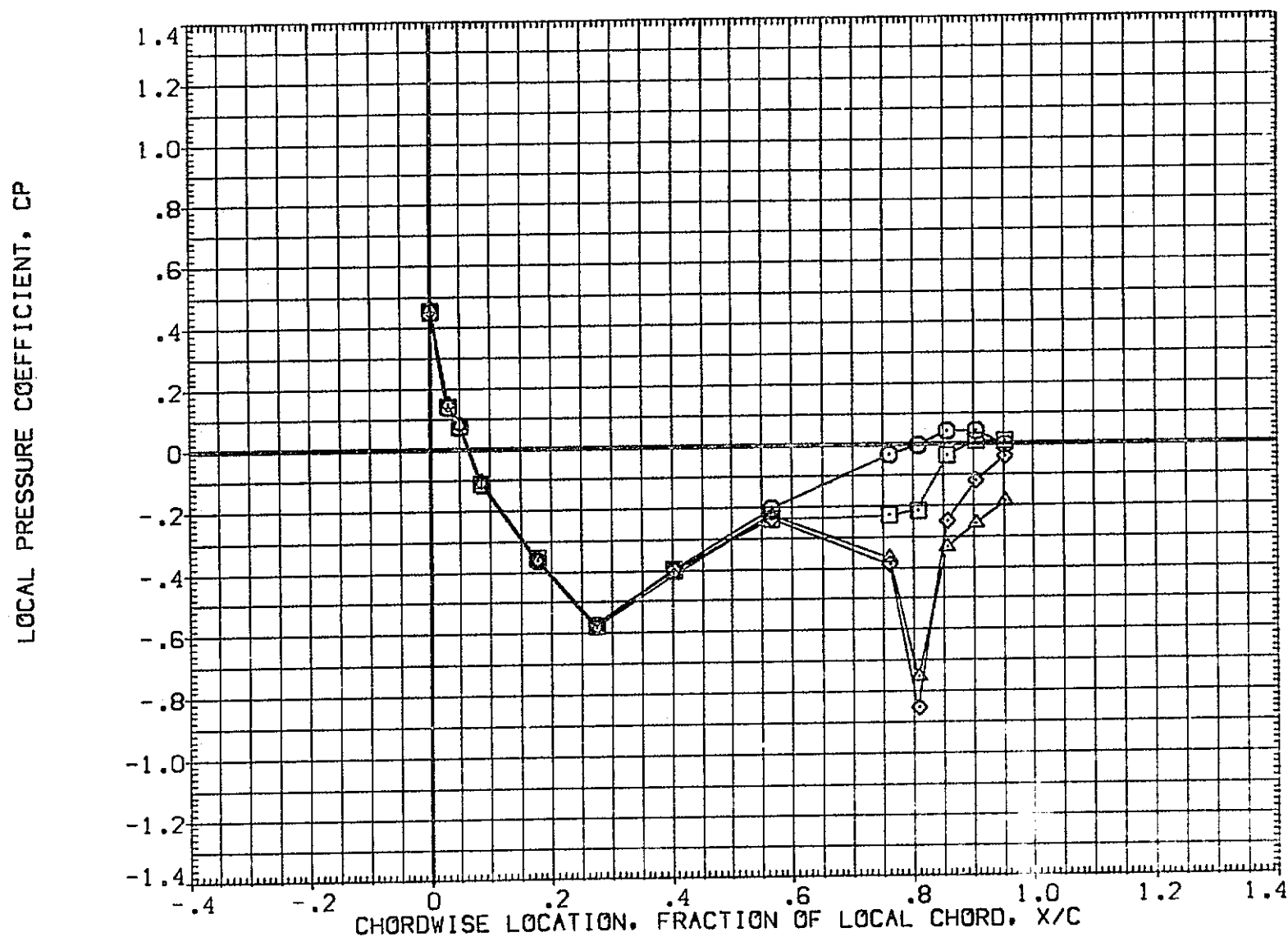


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA - 4
MACH = .900 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

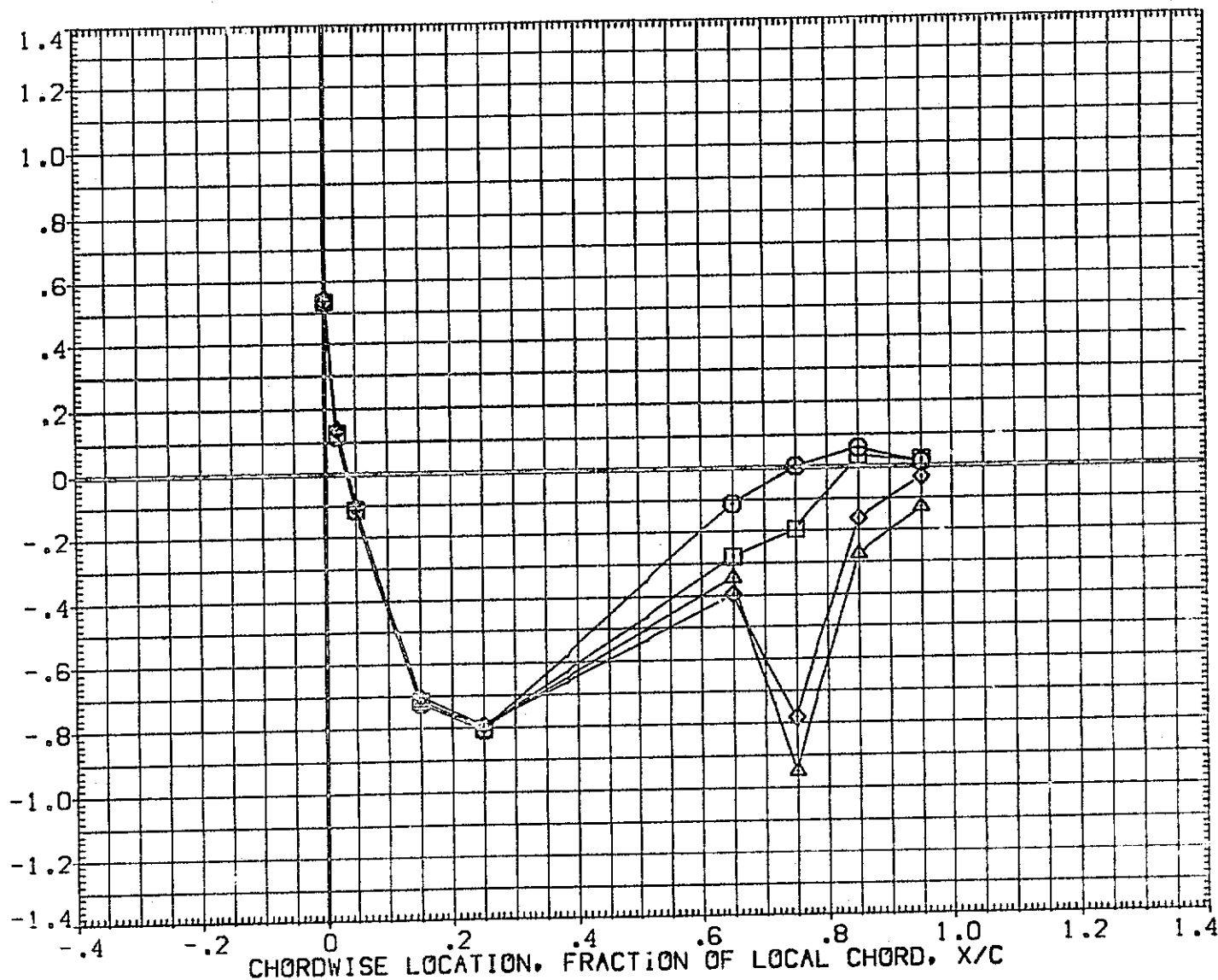


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = .000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

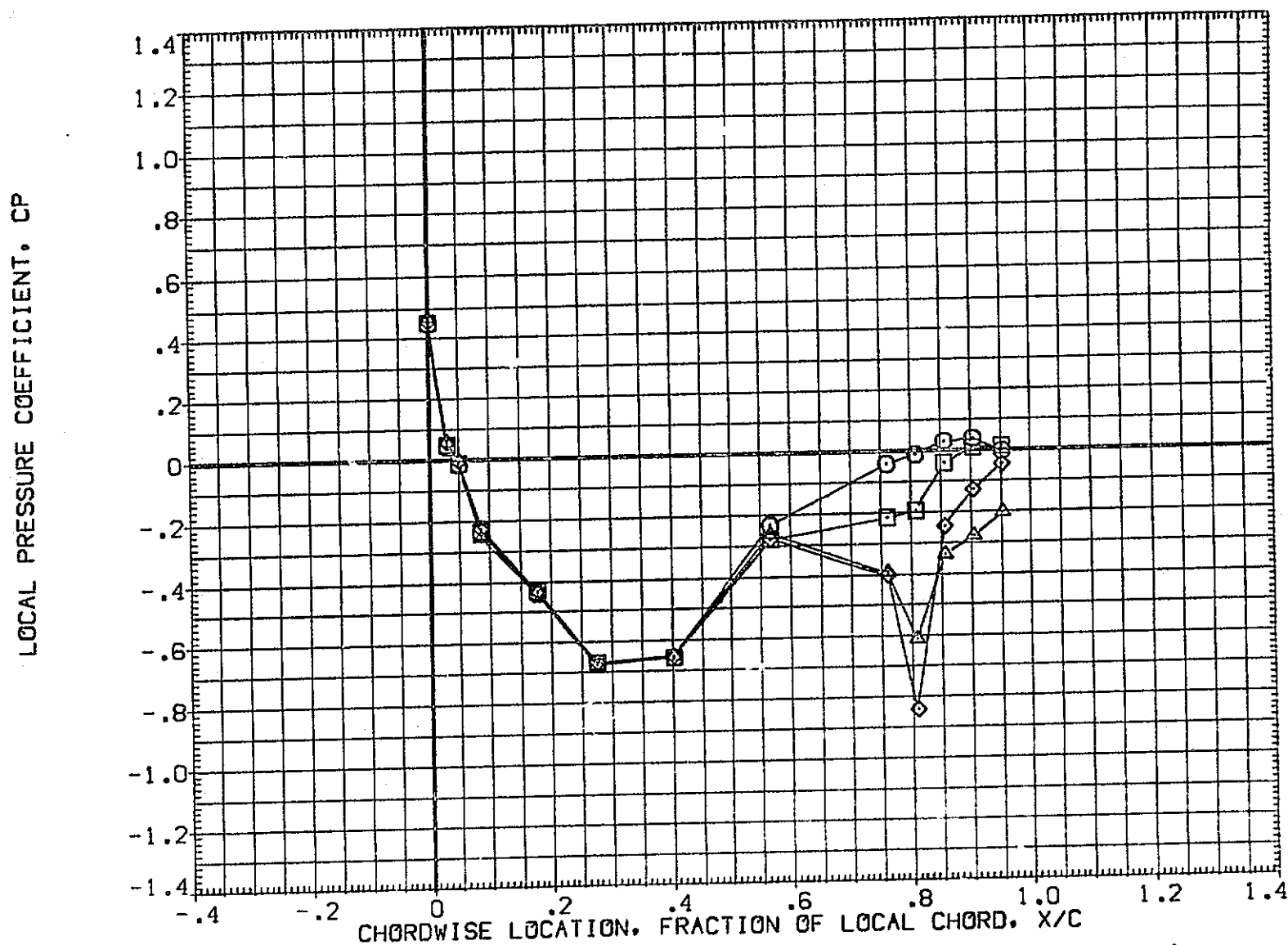


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

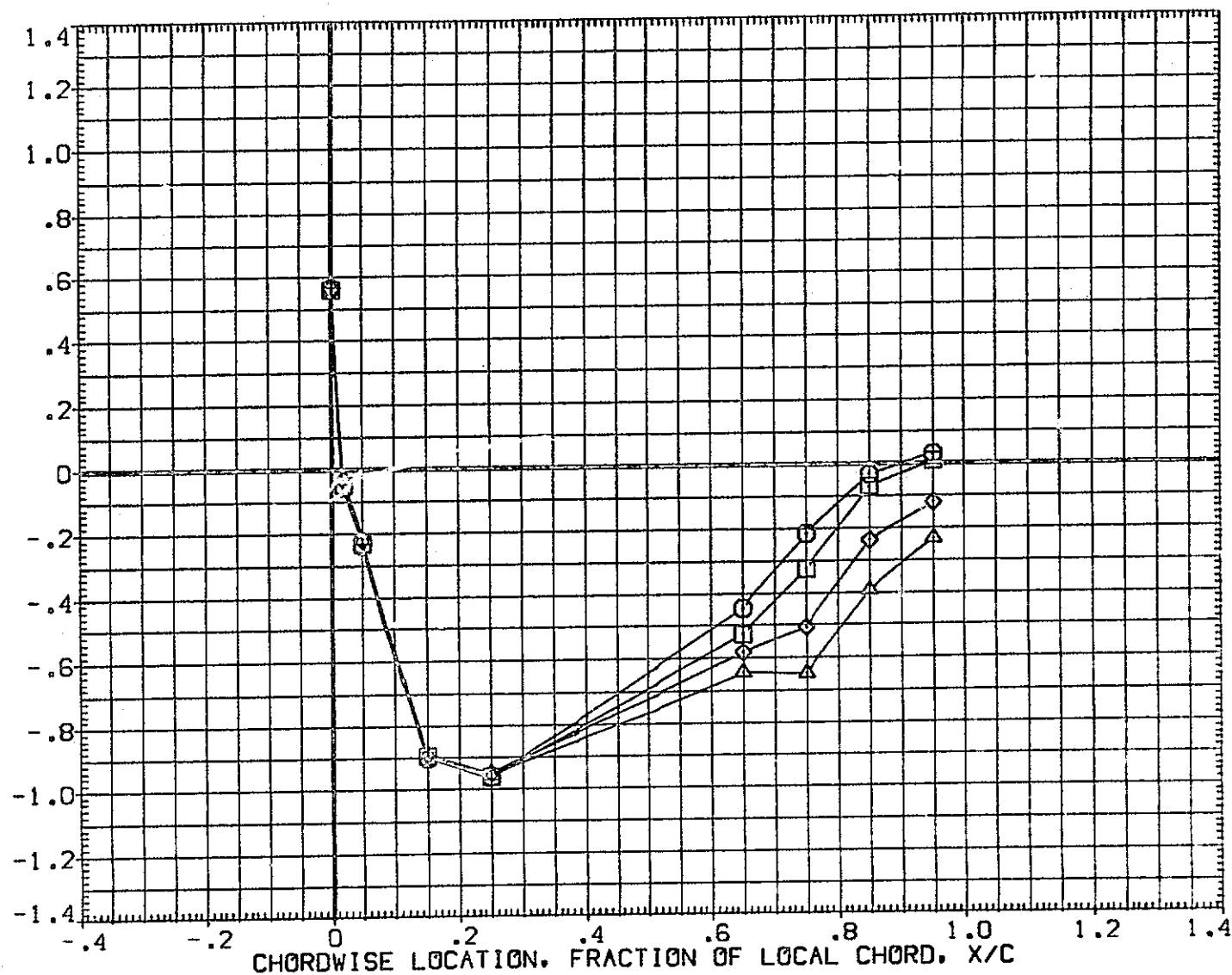


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	9.000	12.000	12.000	12.000

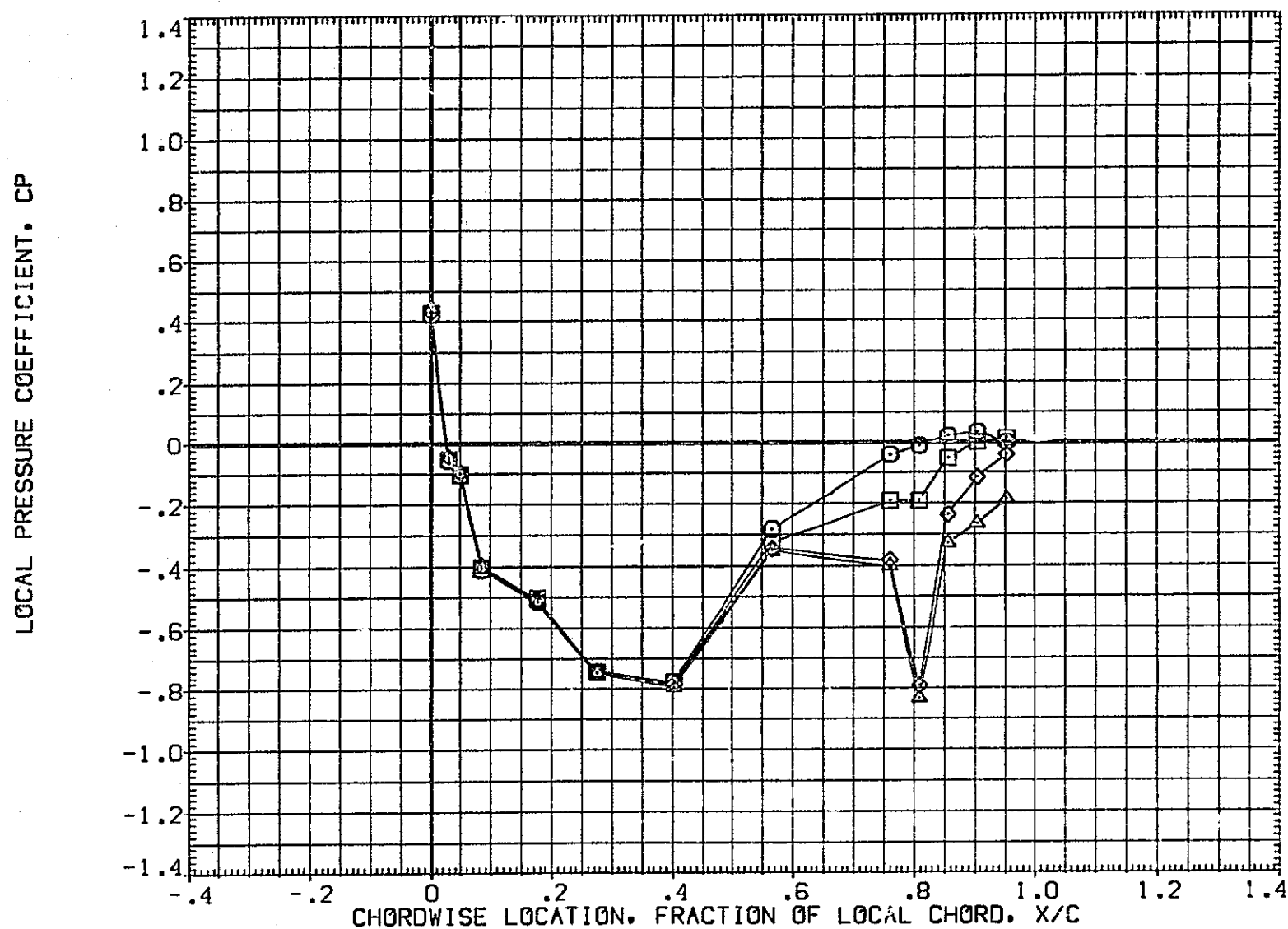


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

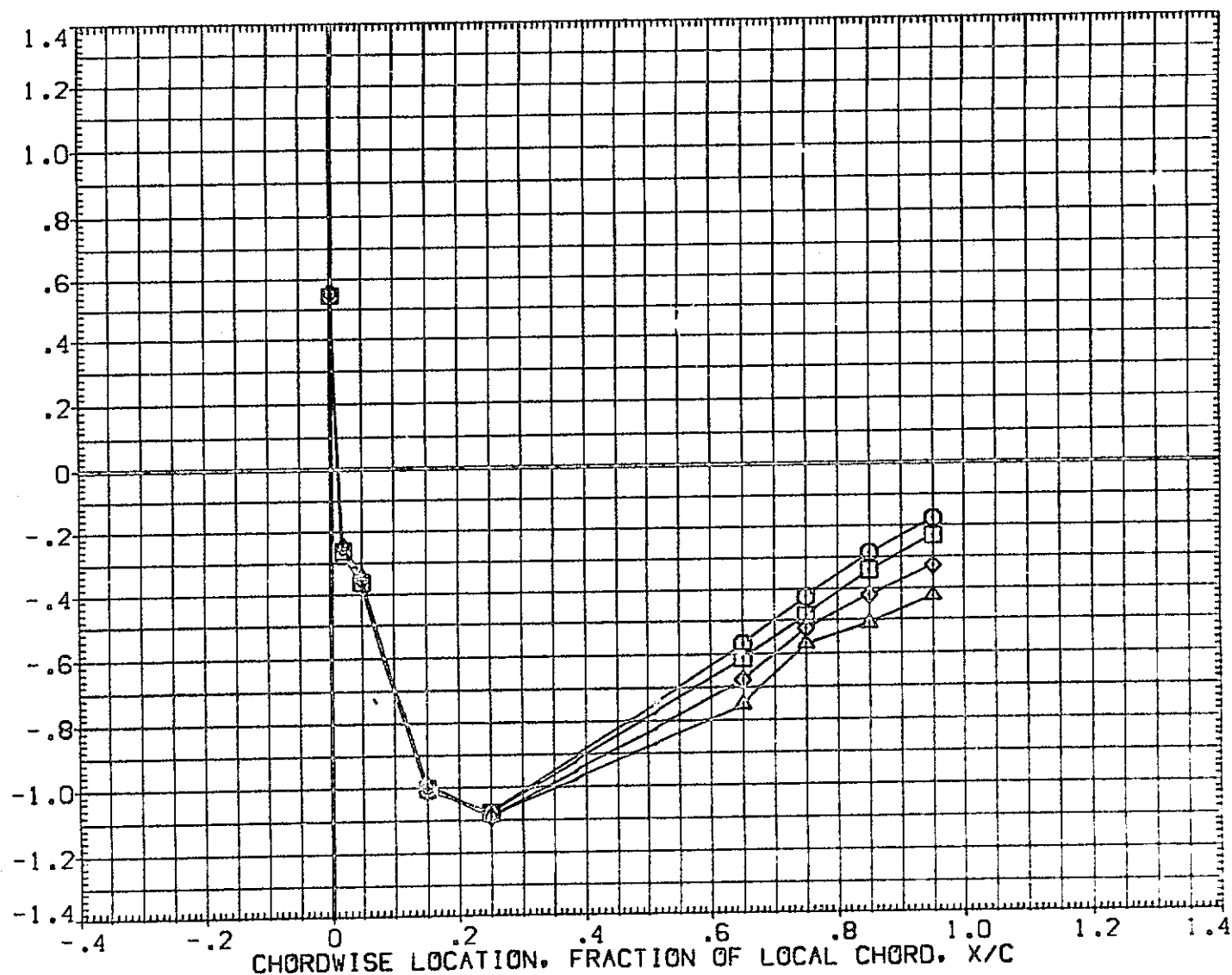


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

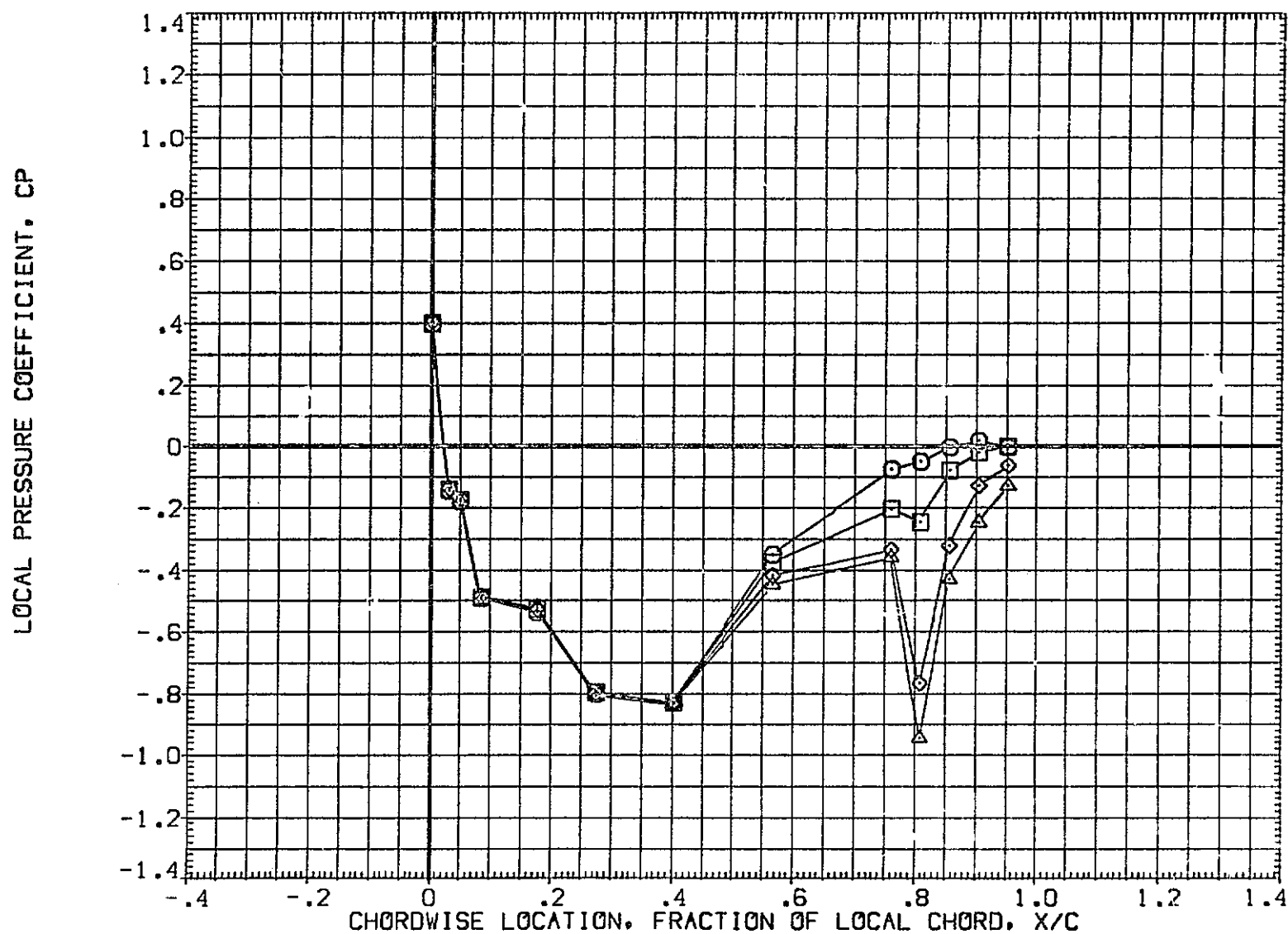


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 6.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	0.000	0.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	0.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

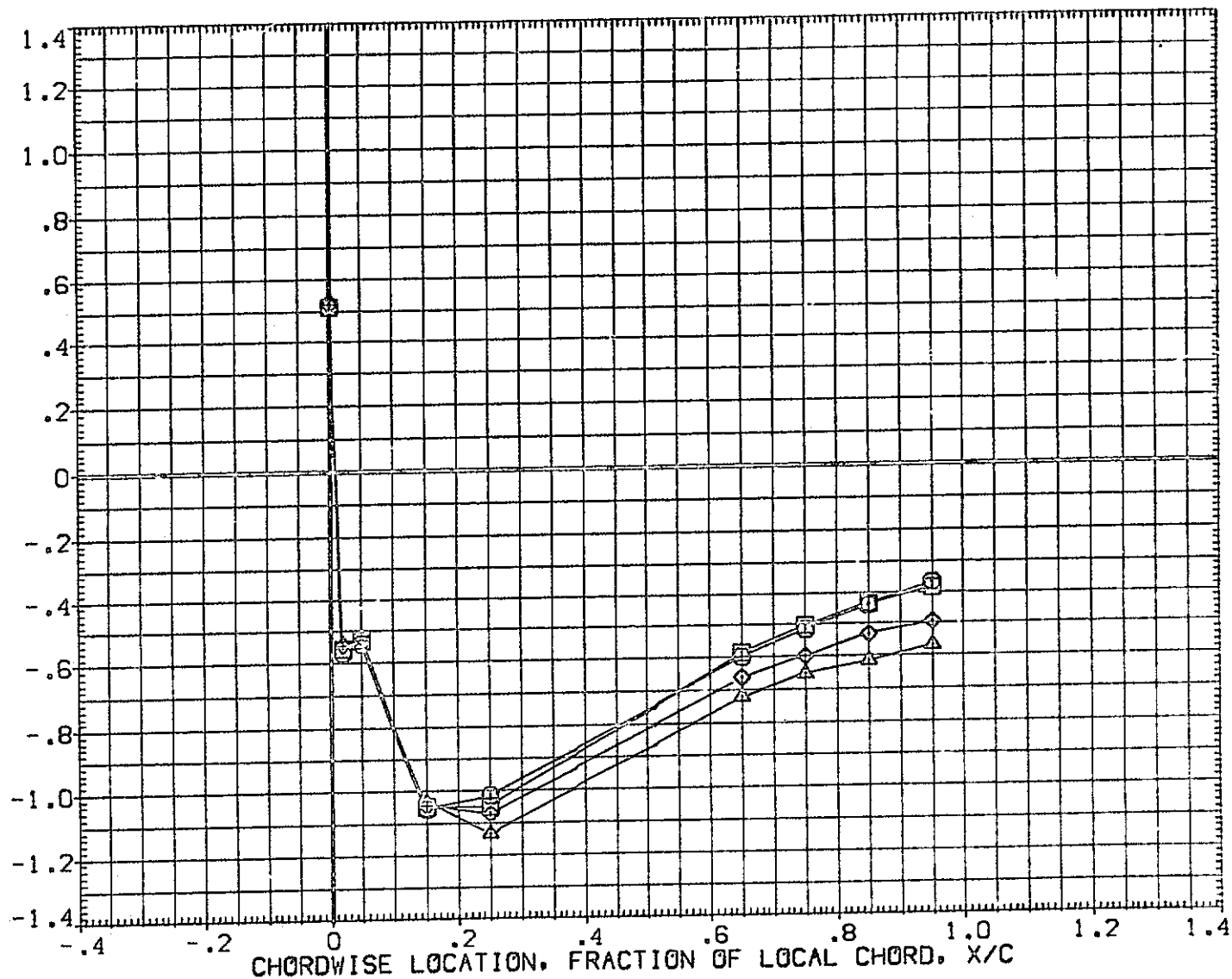


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

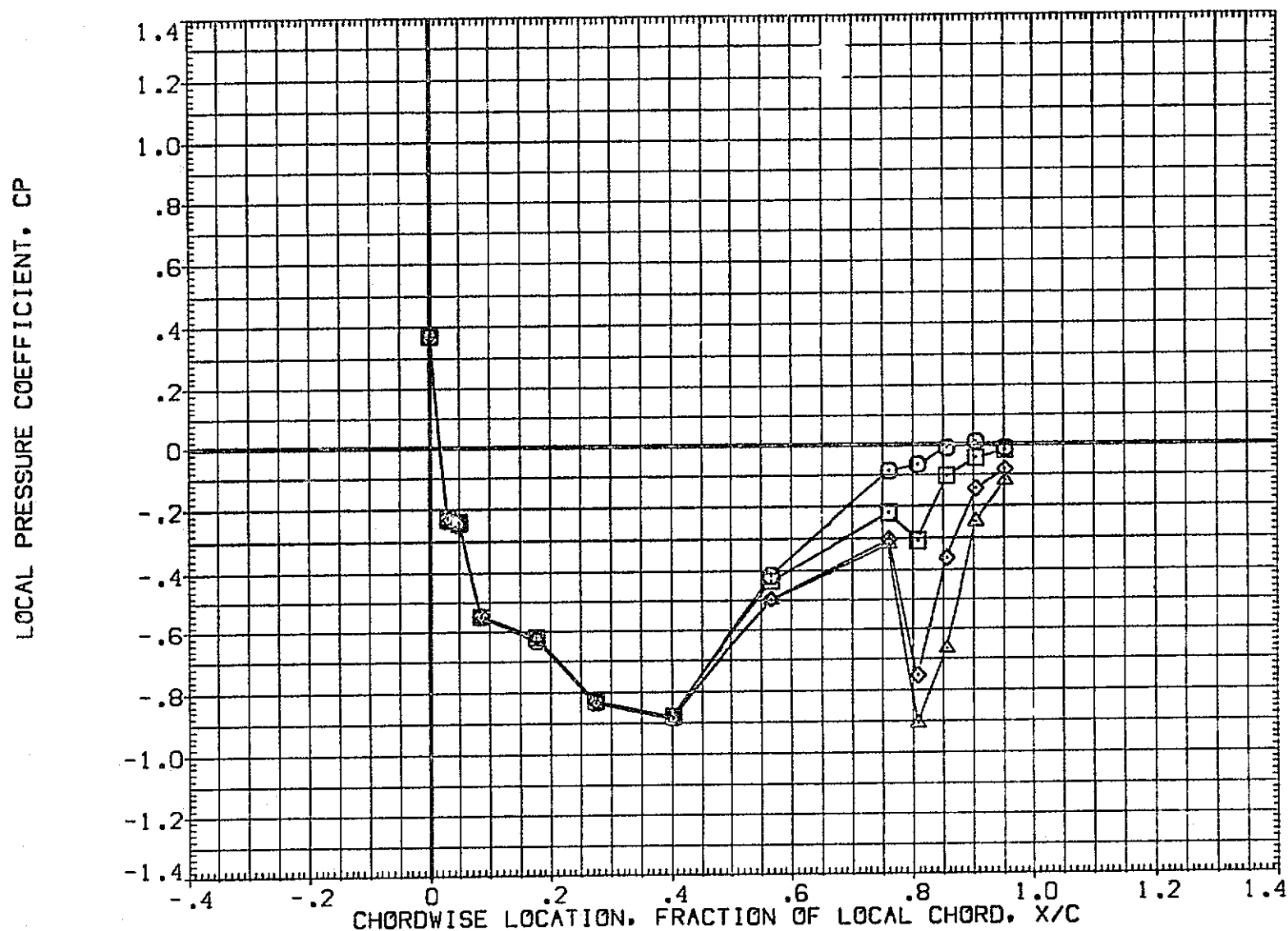


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8	0.000	0.000	0.000	0.000
(AF7U49)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8	0.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

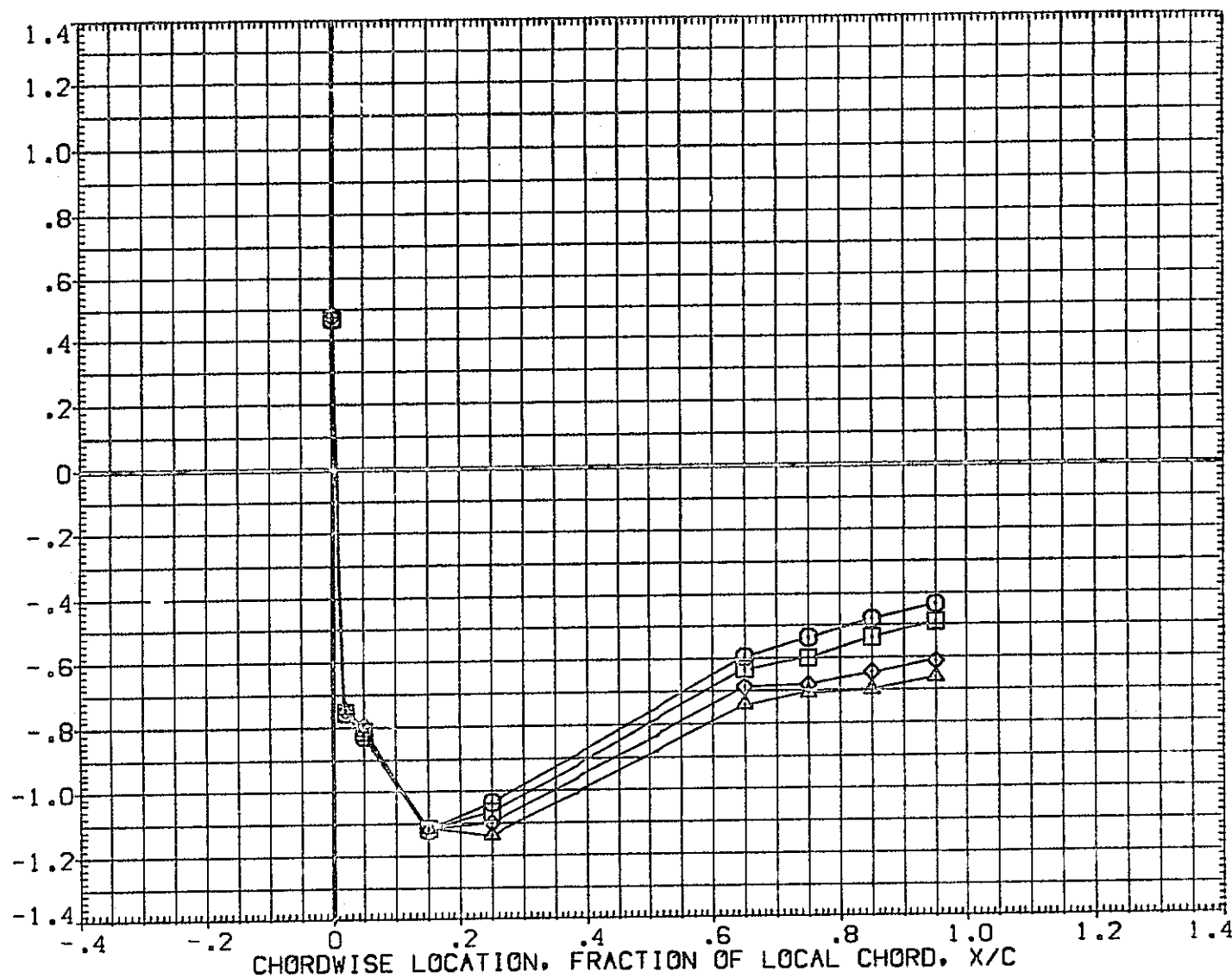


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7U44}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
{AF7U49}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
{AF7U54}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
{AF7U59}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

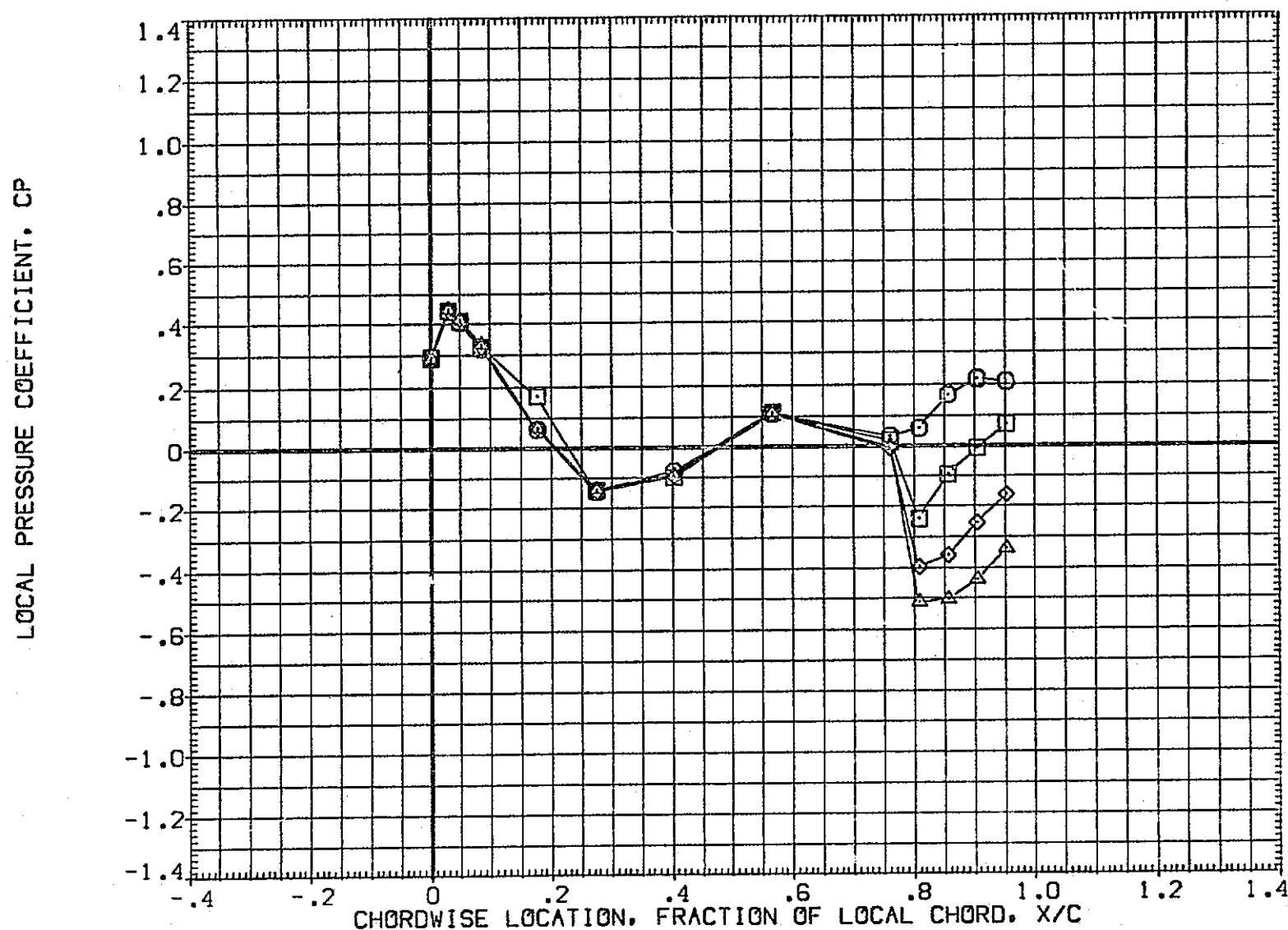


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -8.000 2Y/B = .436 PAGE 431

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

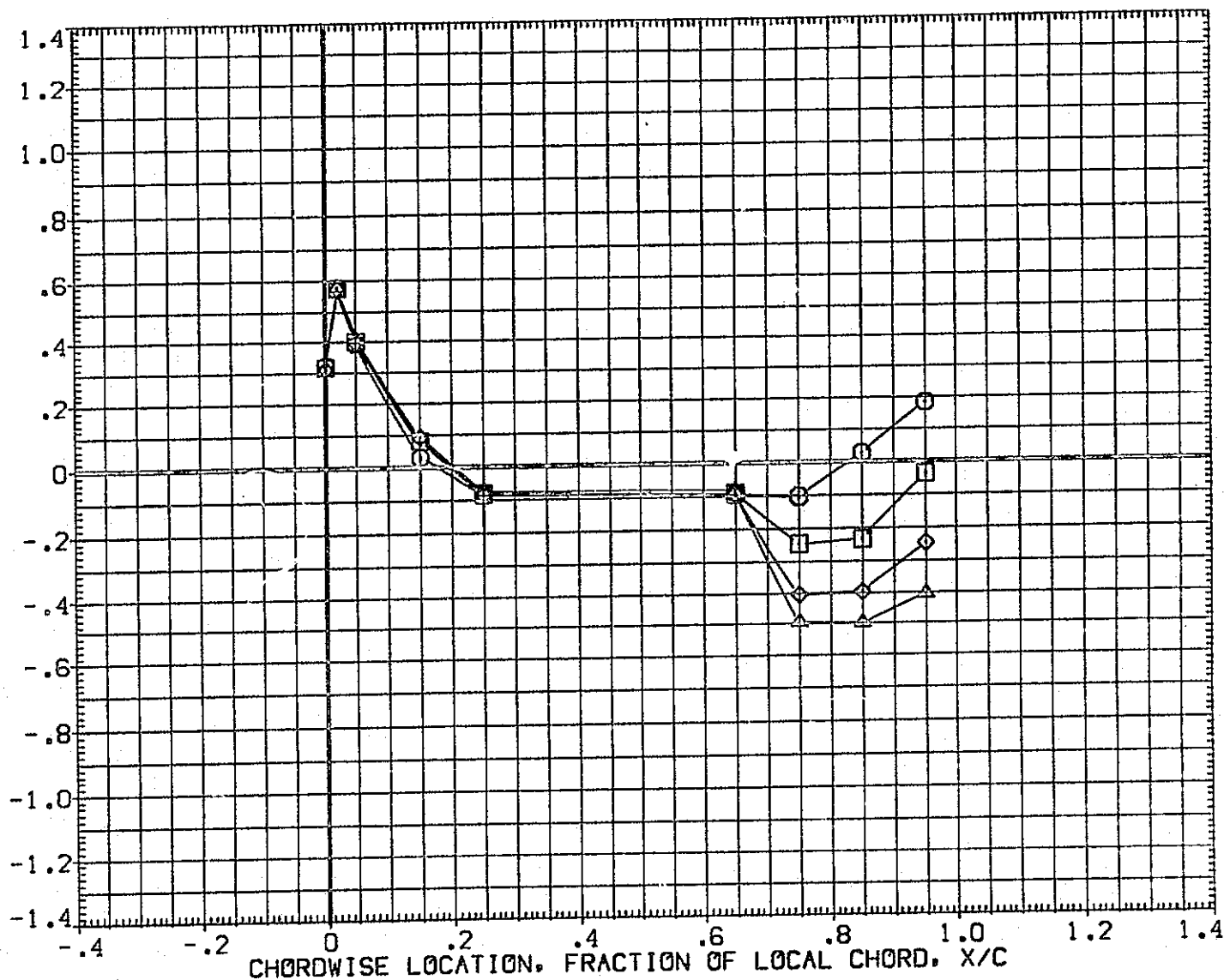


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{ AF7U44 }	□	WING UPPER SURFACE	.000	.000	.000
{ AF7U49 }	□	WING UPPER SURFACE	4.000	4.000	4.000
{ AF7U54 }	◇	WING UPPER SURFACE	8.000	8.000	8.000
{ AF7U59 }	△	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

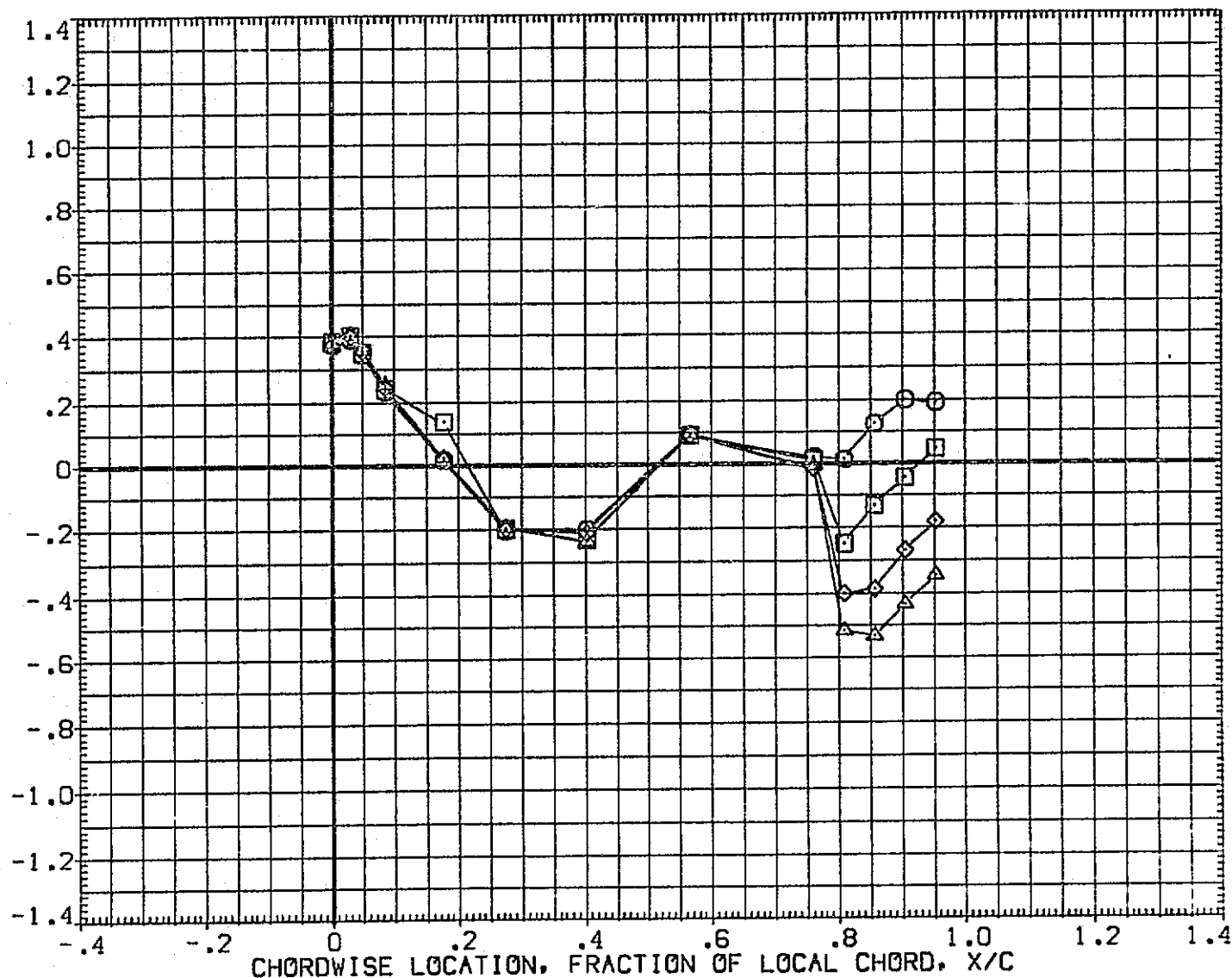


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

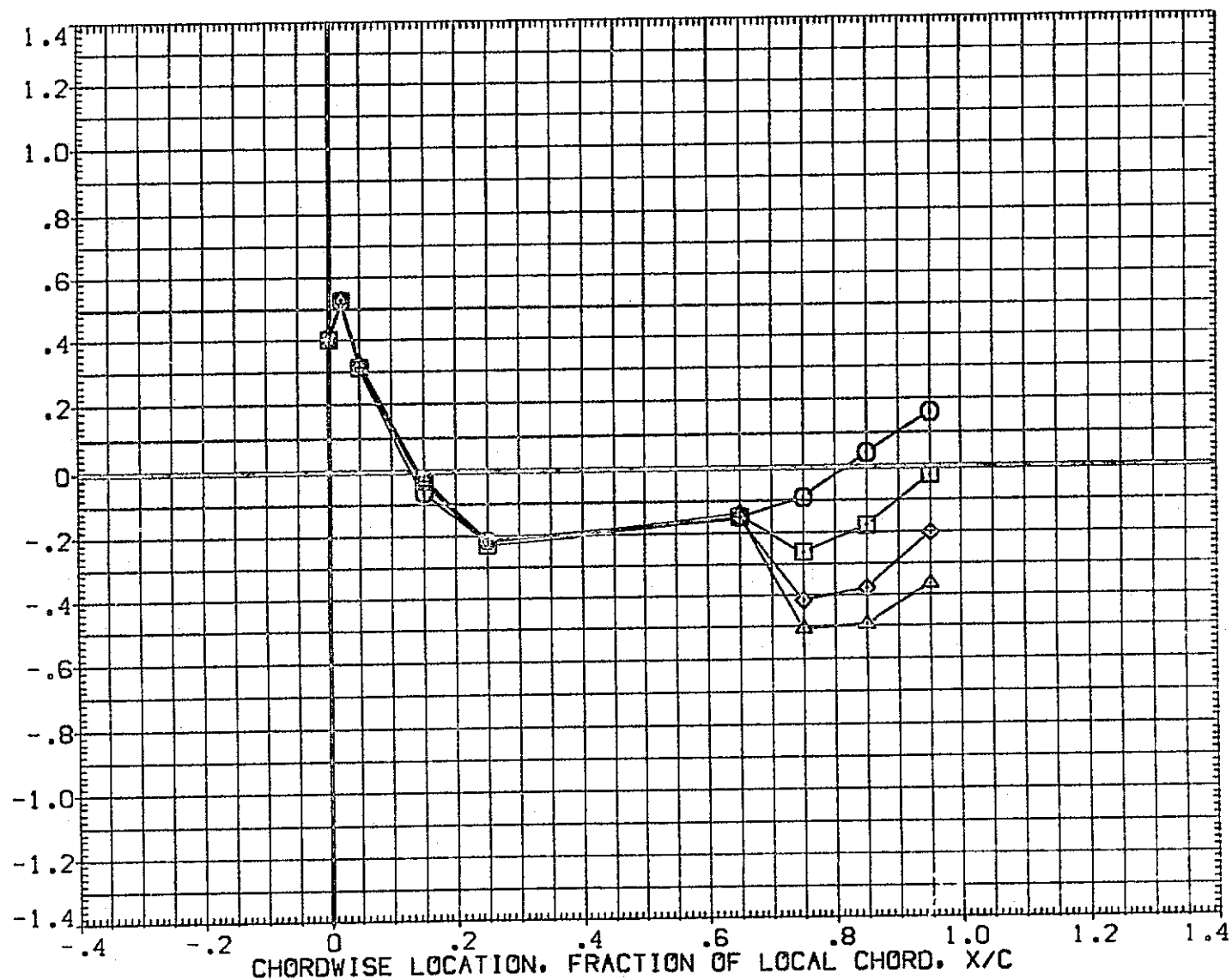


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

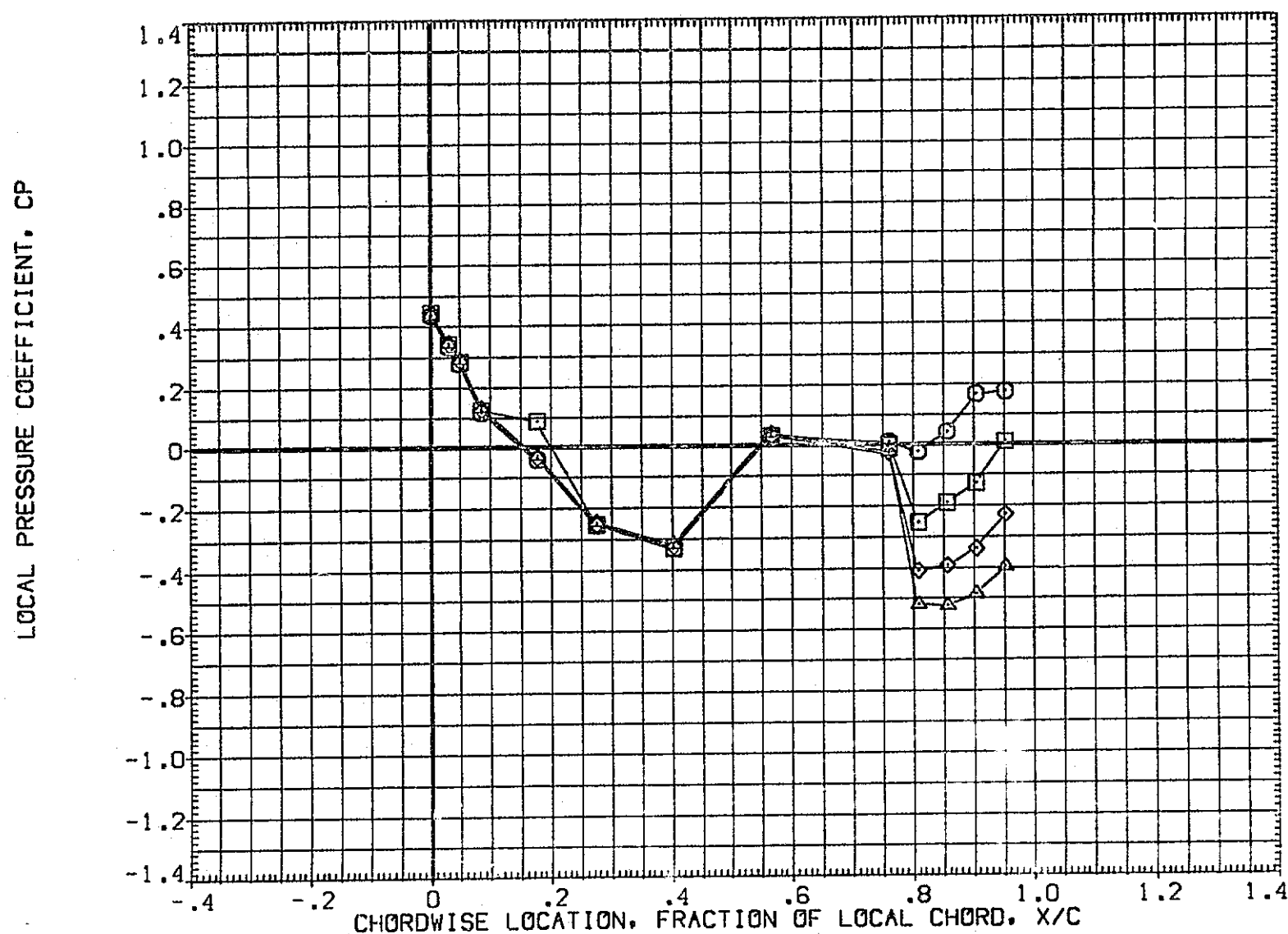


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH. = 1.120 ALPHA = -4.000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[AF7U44]	○	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	□	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U54]	◇	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U59]	△	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

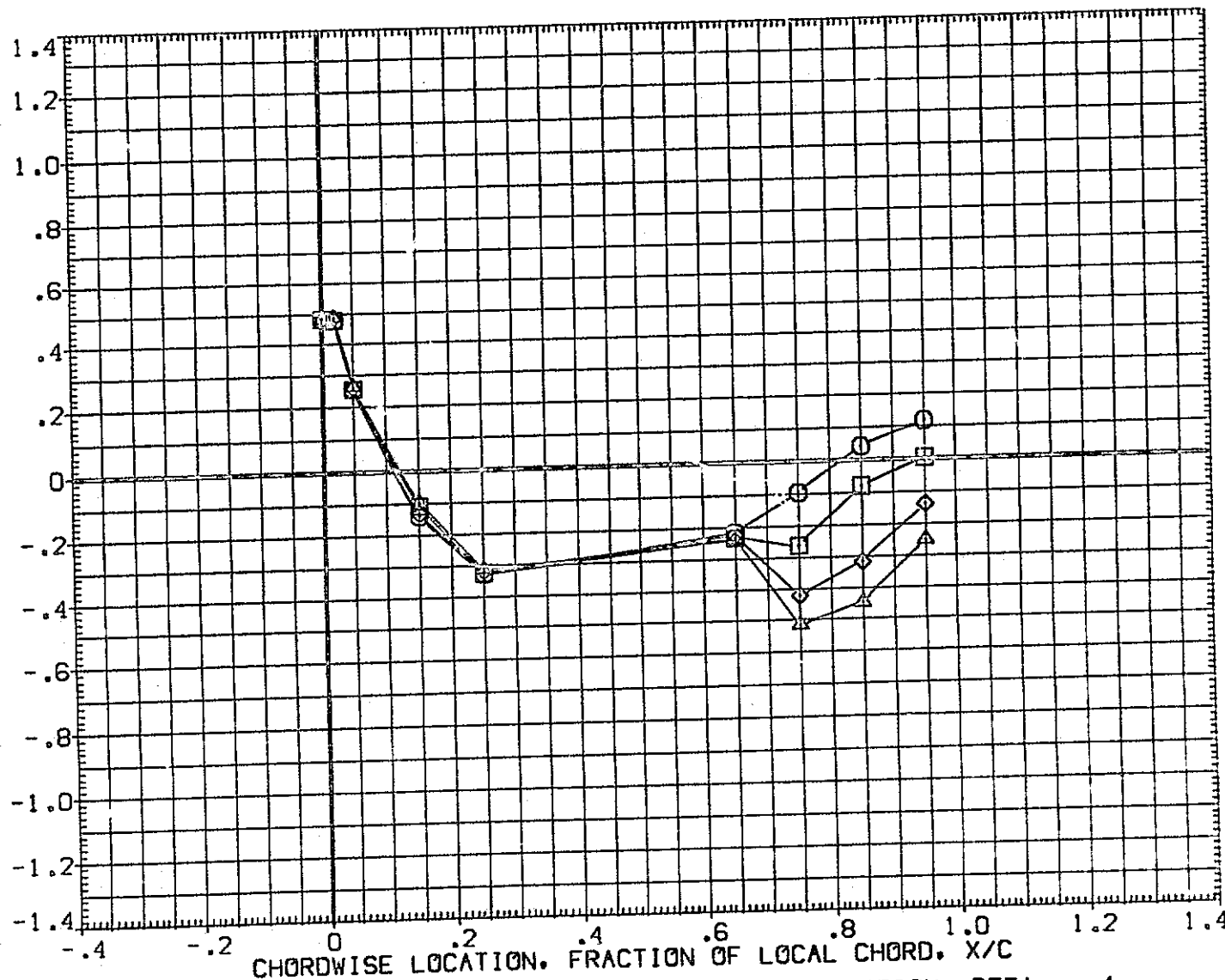


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

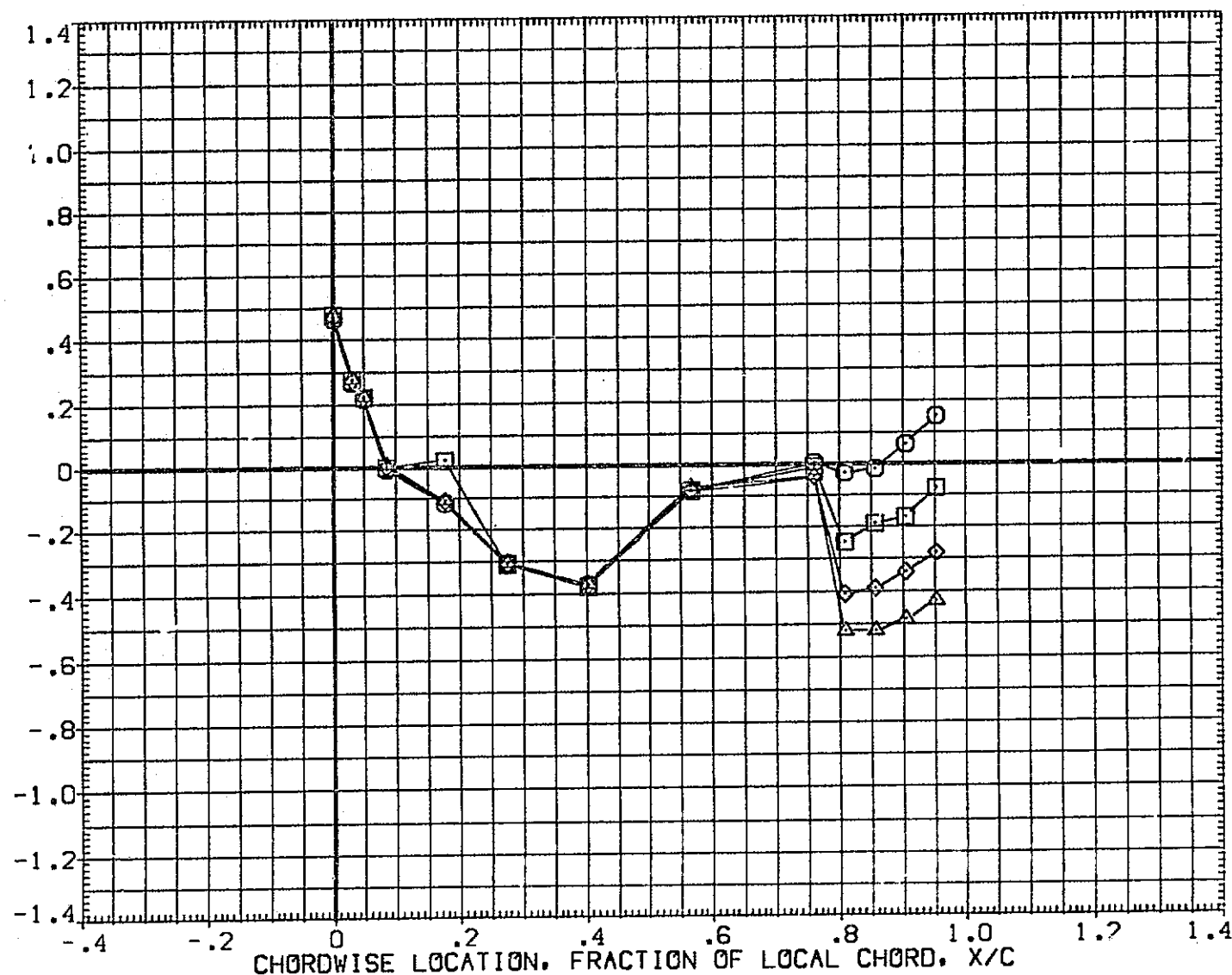


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = -2.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

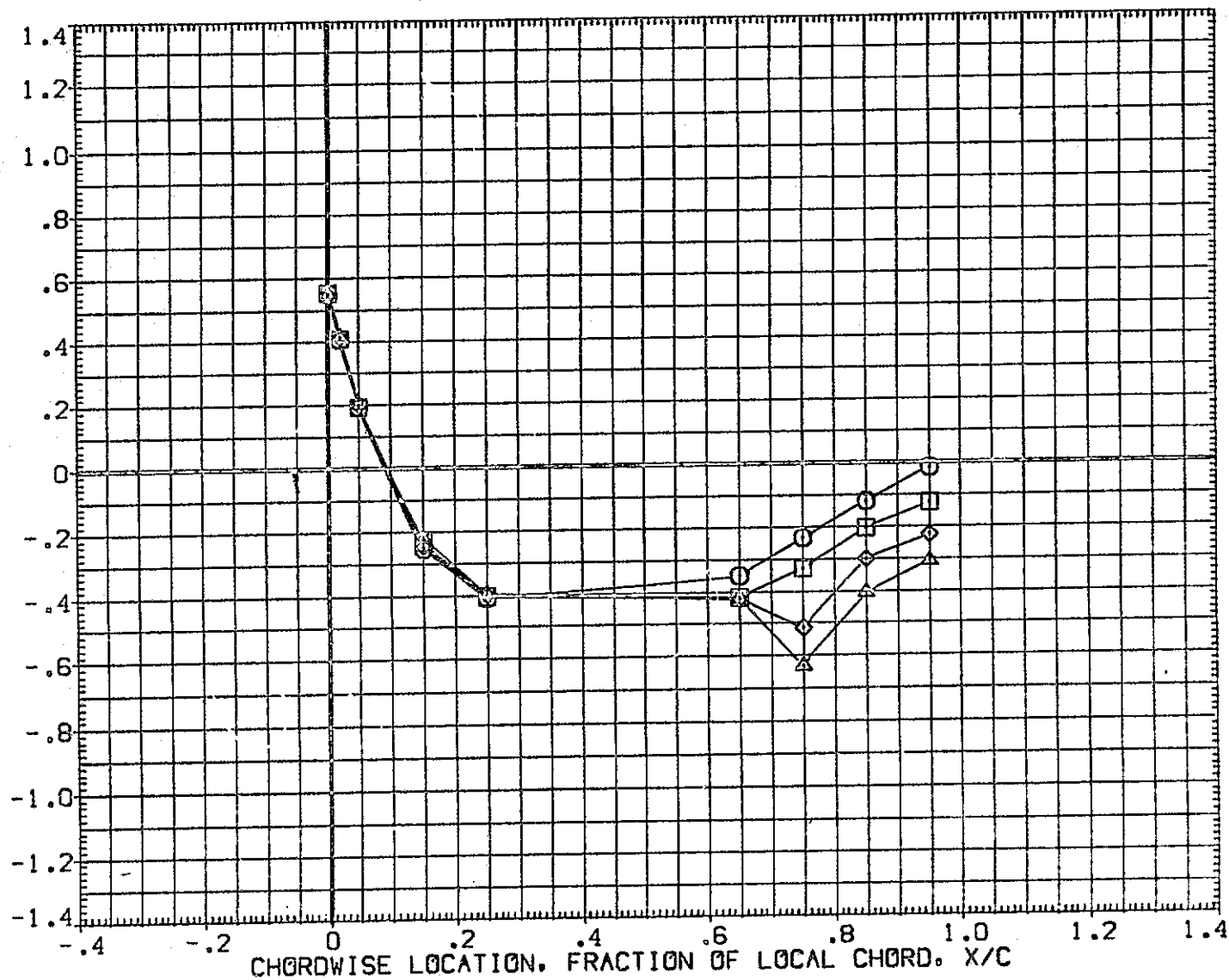


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -2.000 2Y/B = .771 PAGE 438

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

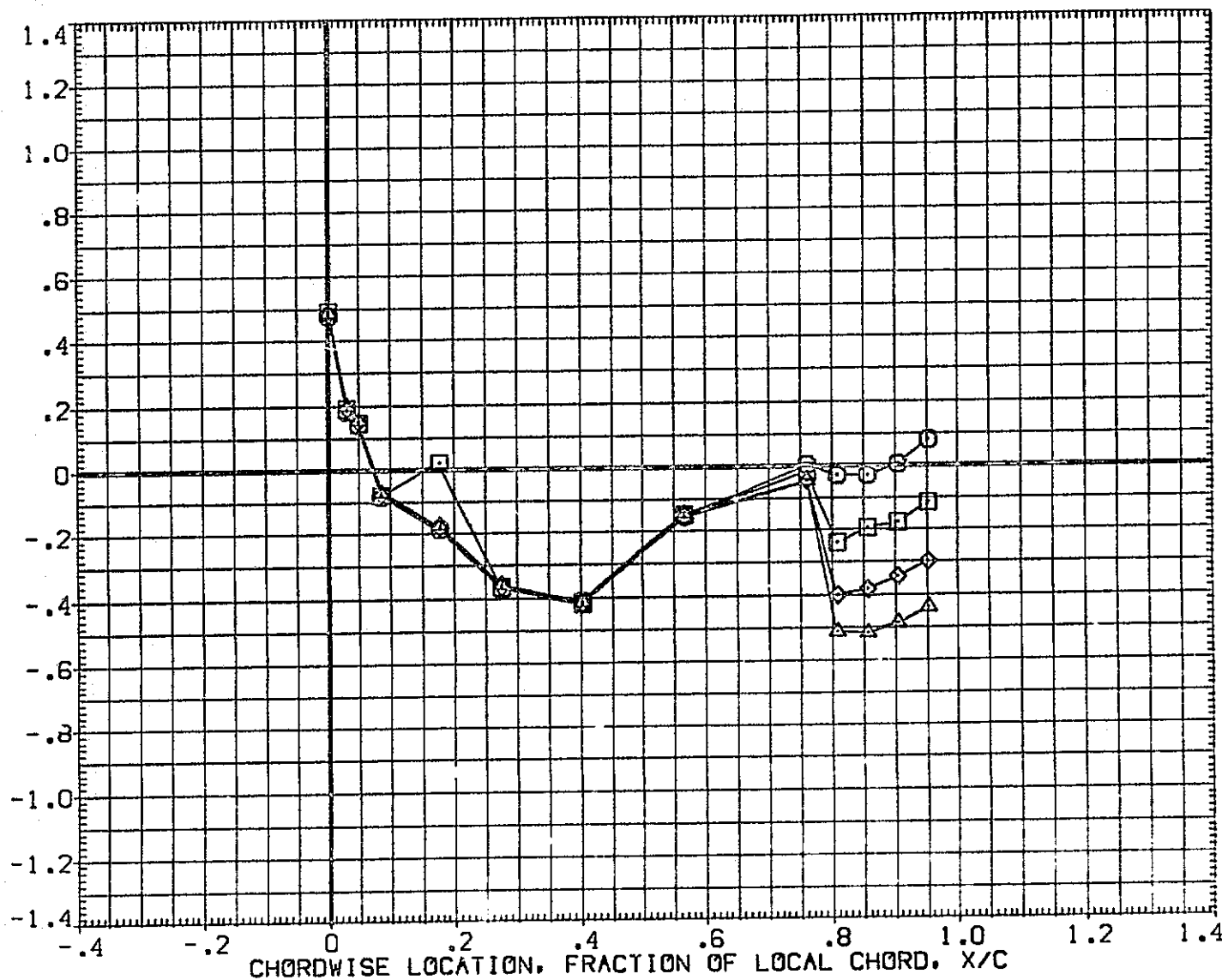


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = .000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	□	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	□	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	◇	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	△	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

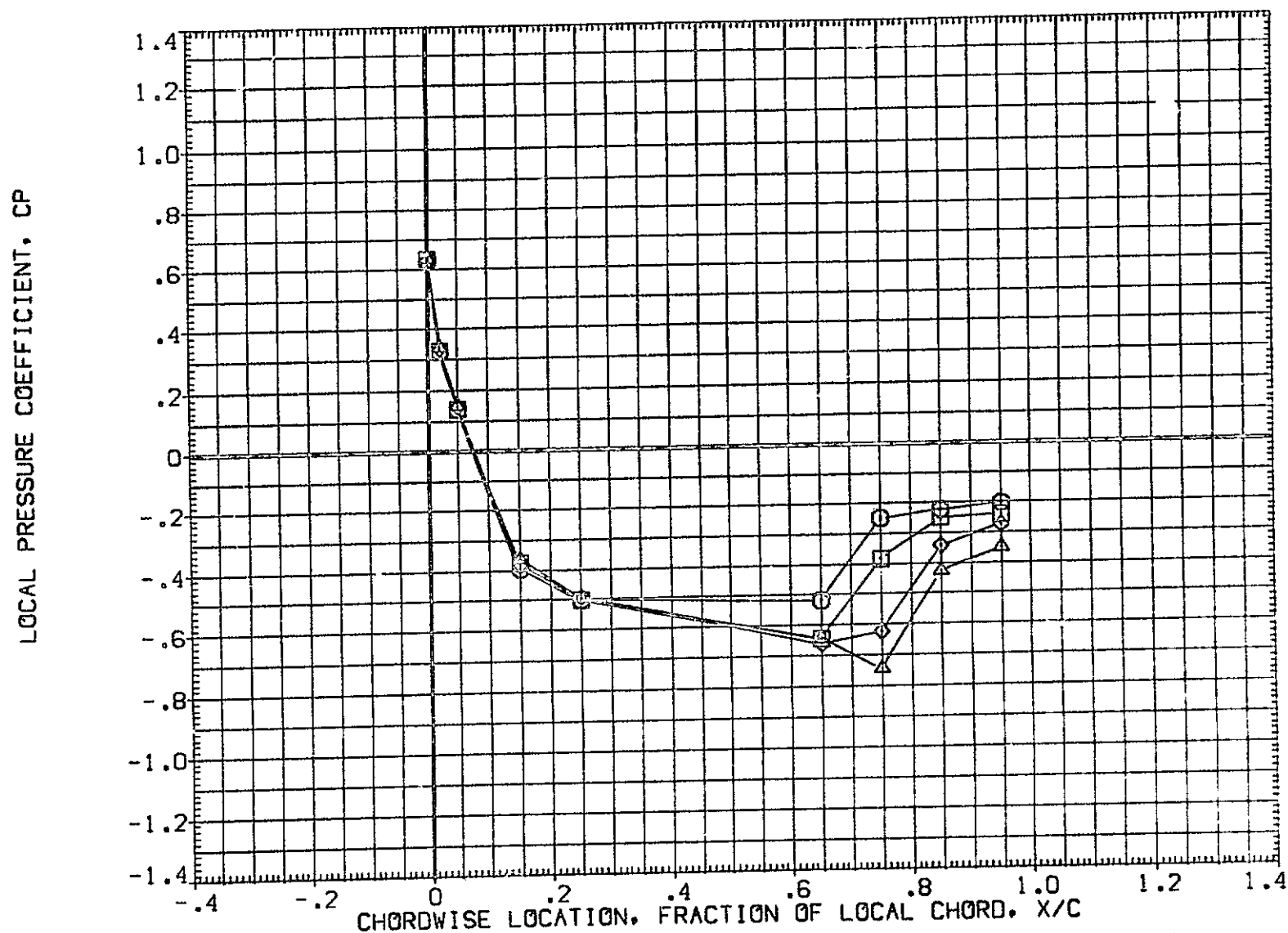


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = .000 2Y/B = .771 PAGE 440

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

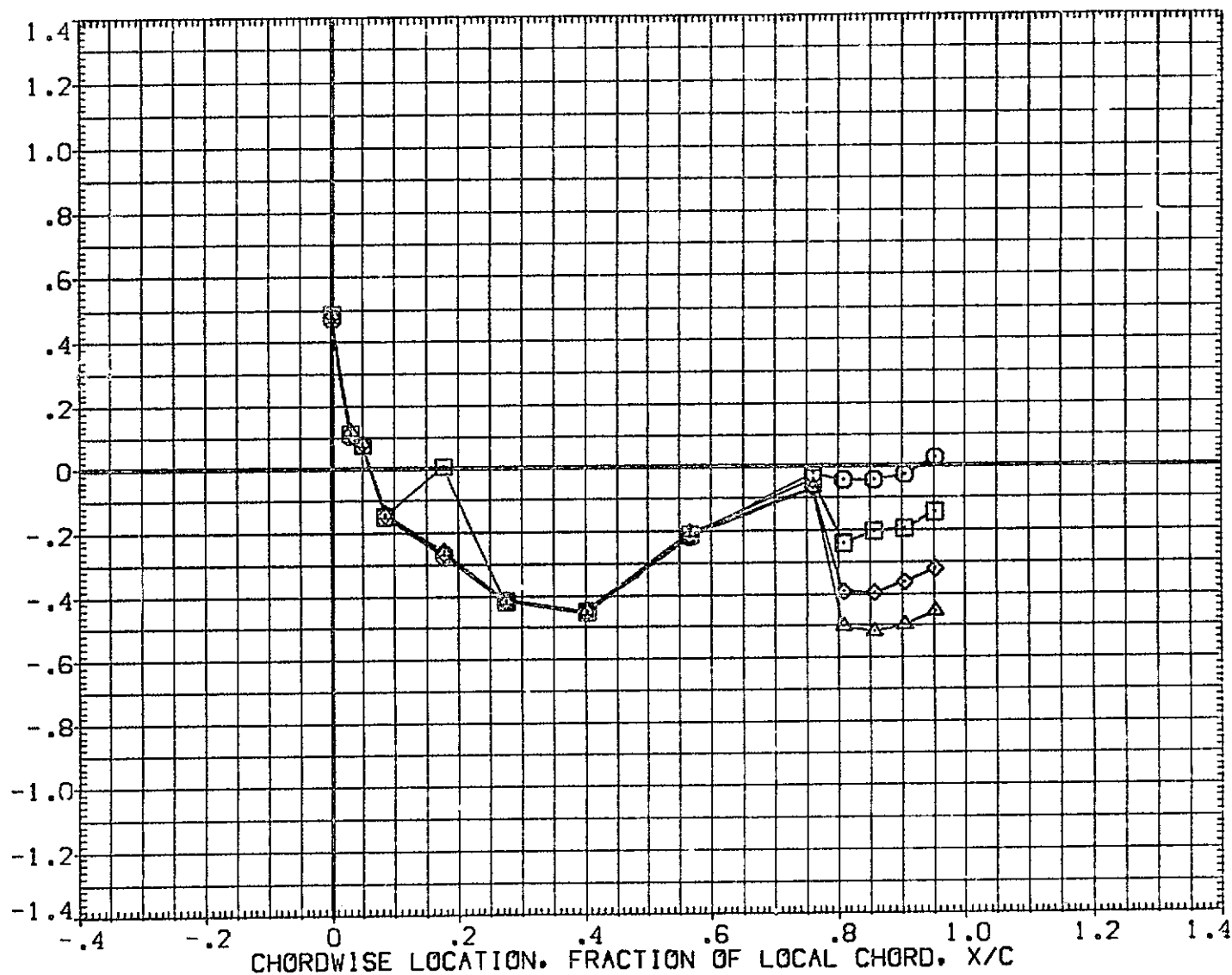


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P3	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

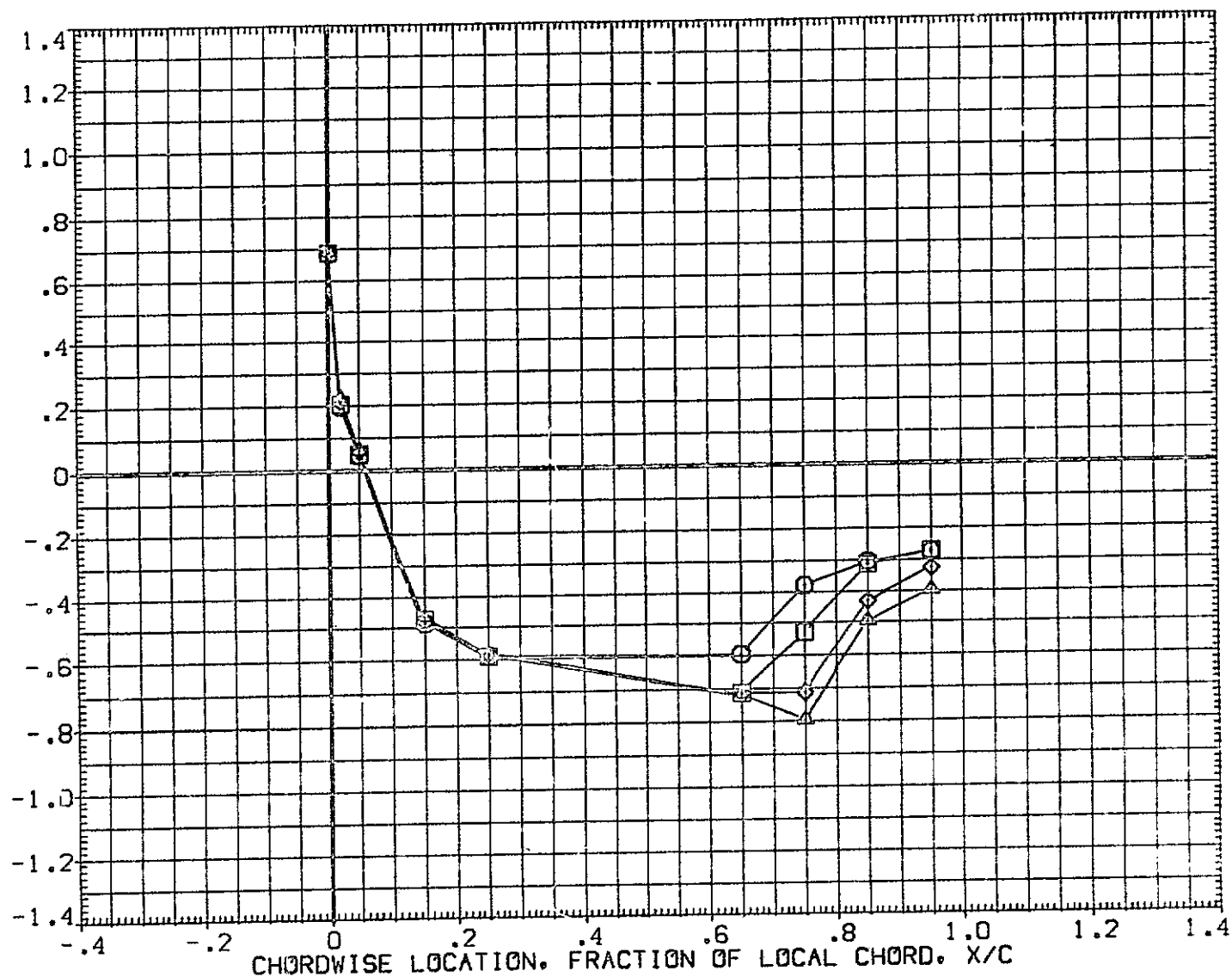


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 2.000 2Y/B = .771 PAGE 442

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	□ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	□ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	◇ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	△ 1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

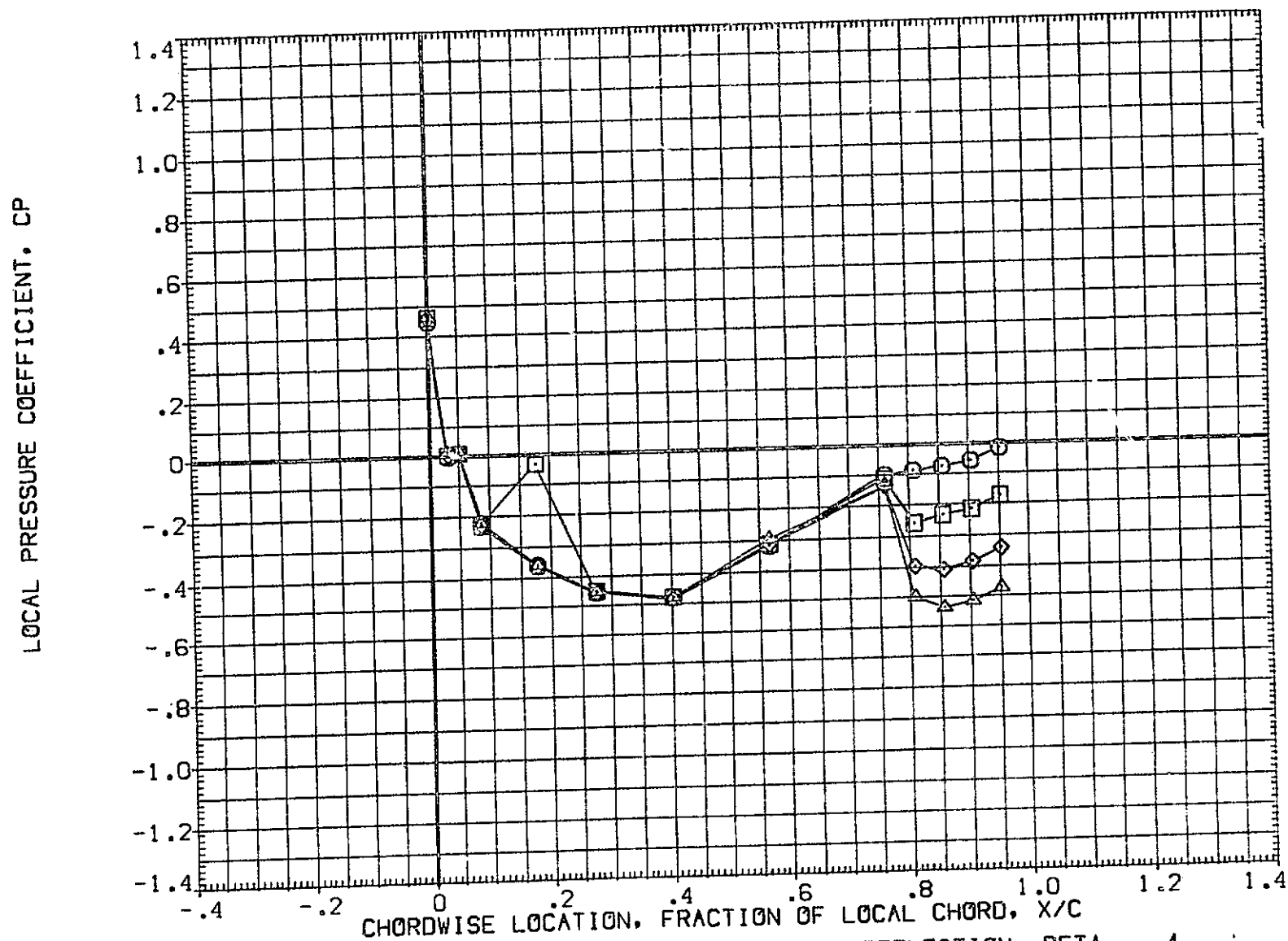


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 4.000 2Y/B = .436 PAGE 443

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

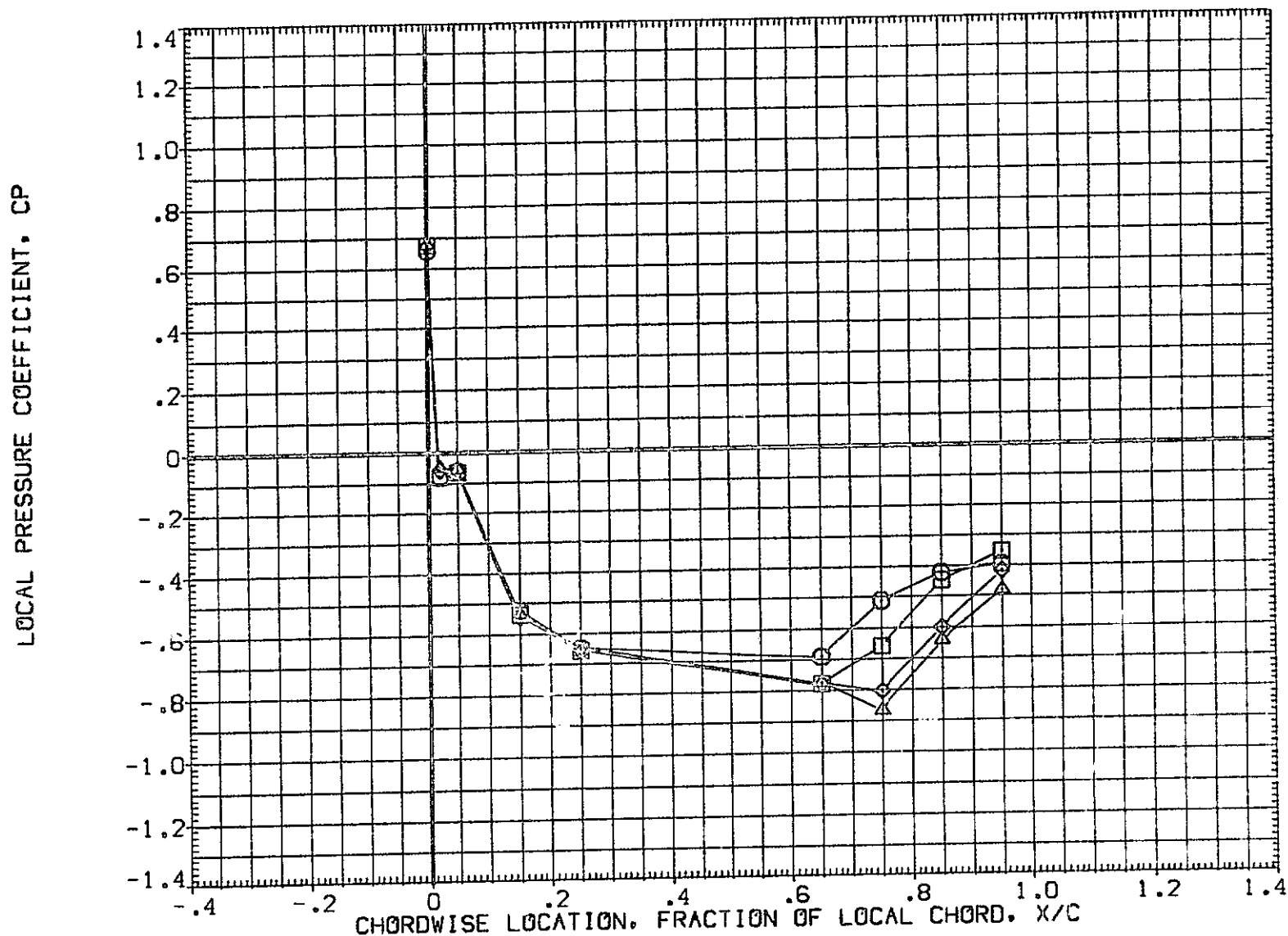


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 4.000 2Y/B = .771 PAGE 444

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7U44}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
{AF7U49}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
{AF7U54}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
{AF7U59}	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

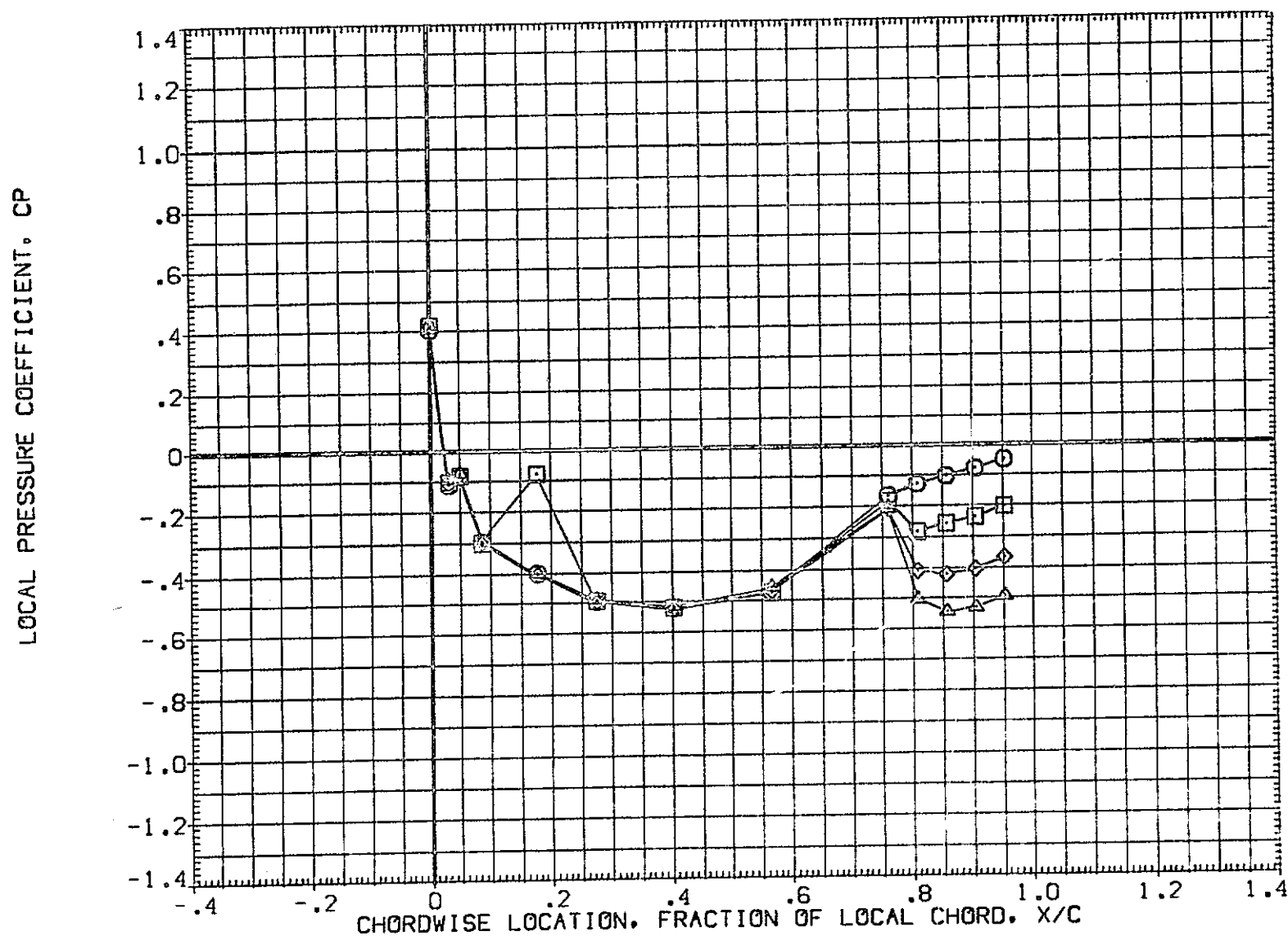


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	9.000	12.000	12.000	12.000

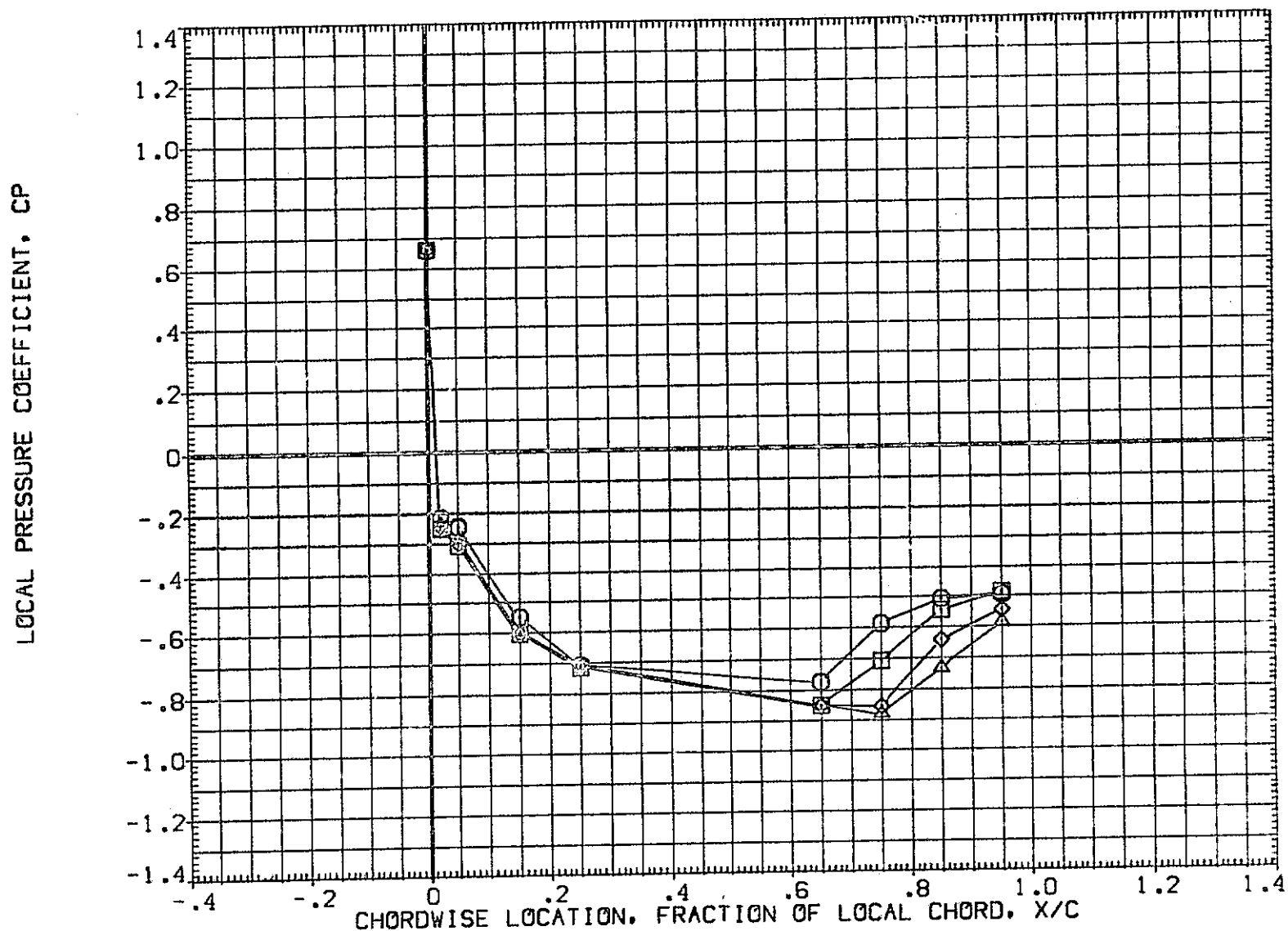


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 6.000 2Y/B = .771 PAGE 446

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	○	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	□	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	◇	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	△	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

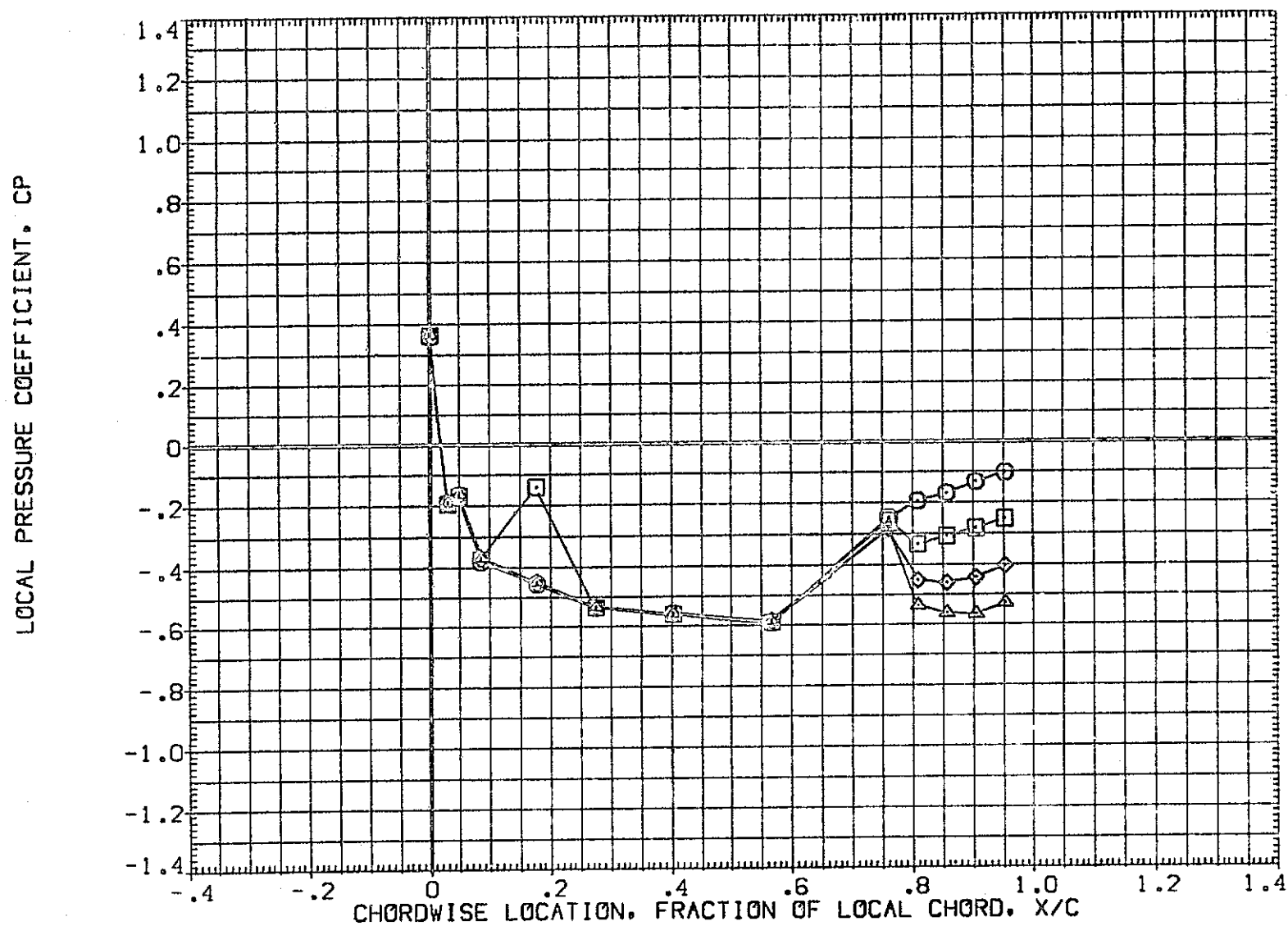


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 8.000 2Y/B = .436 PAGE 447

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	12.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

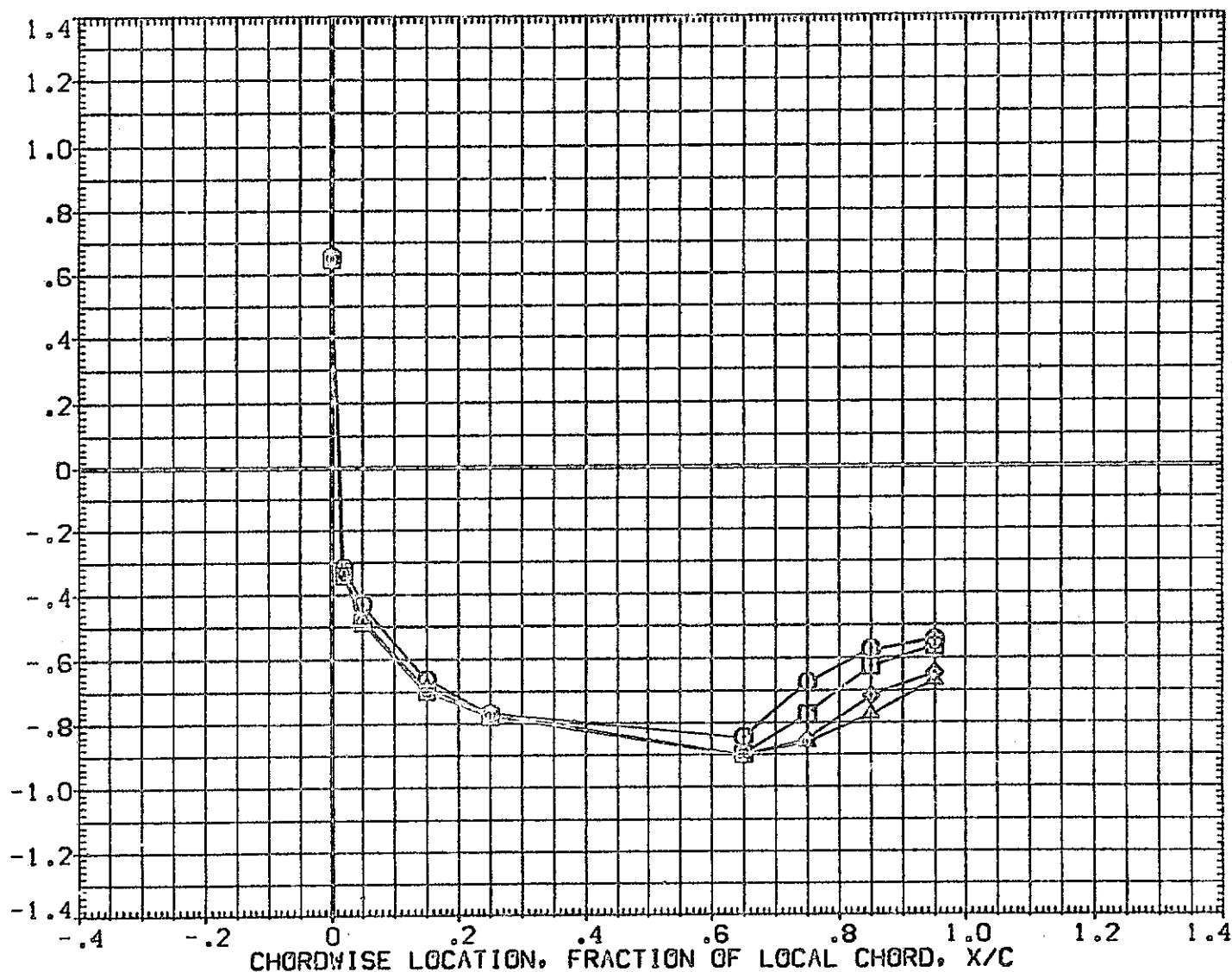


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

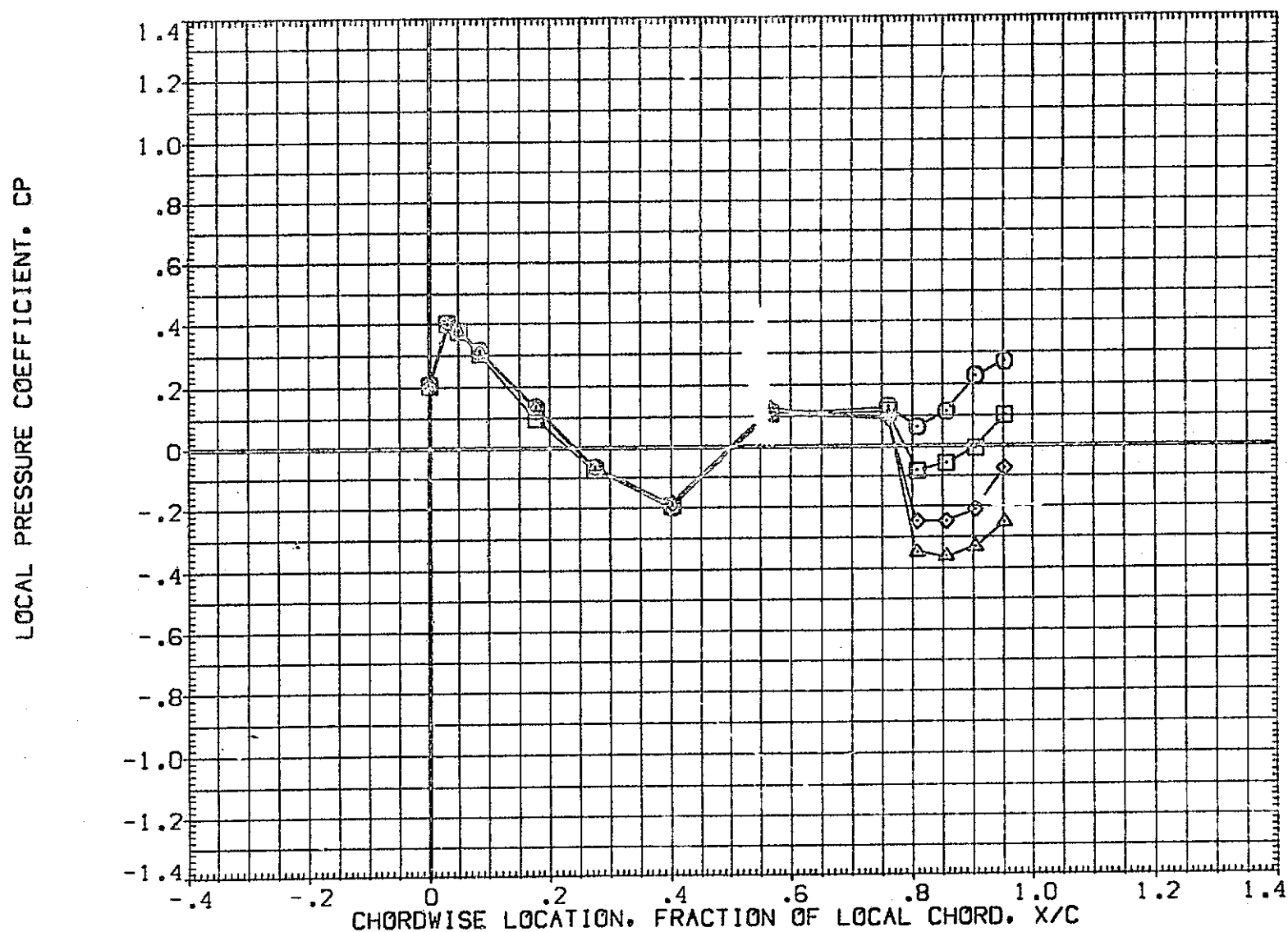


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -8.000 2Y/B = .436 PAGE 449

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U45)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

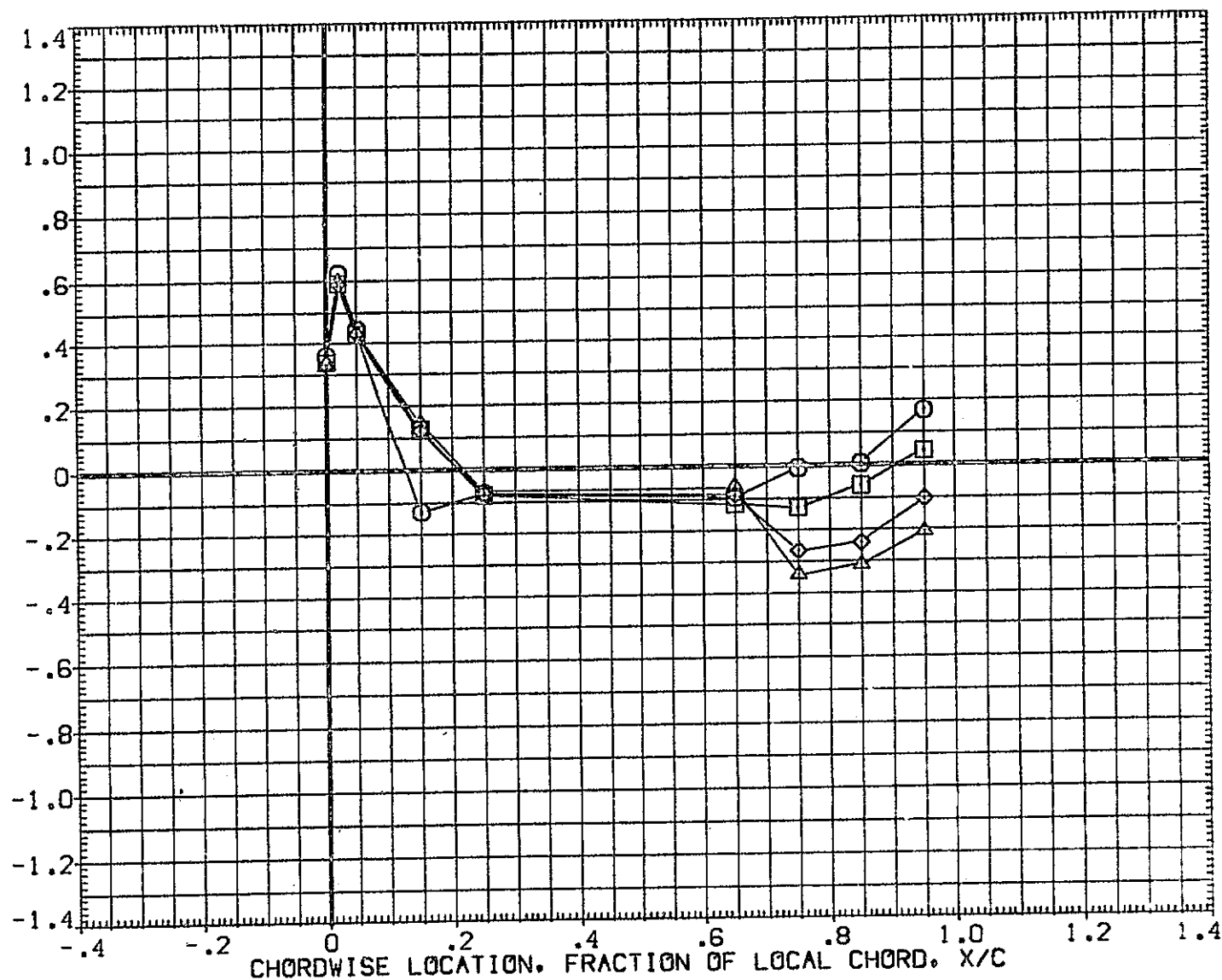


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{ AF7U44 }	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
{ AF7U49 }	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
{ AF7U54 }	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
{ AF7U59 }	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

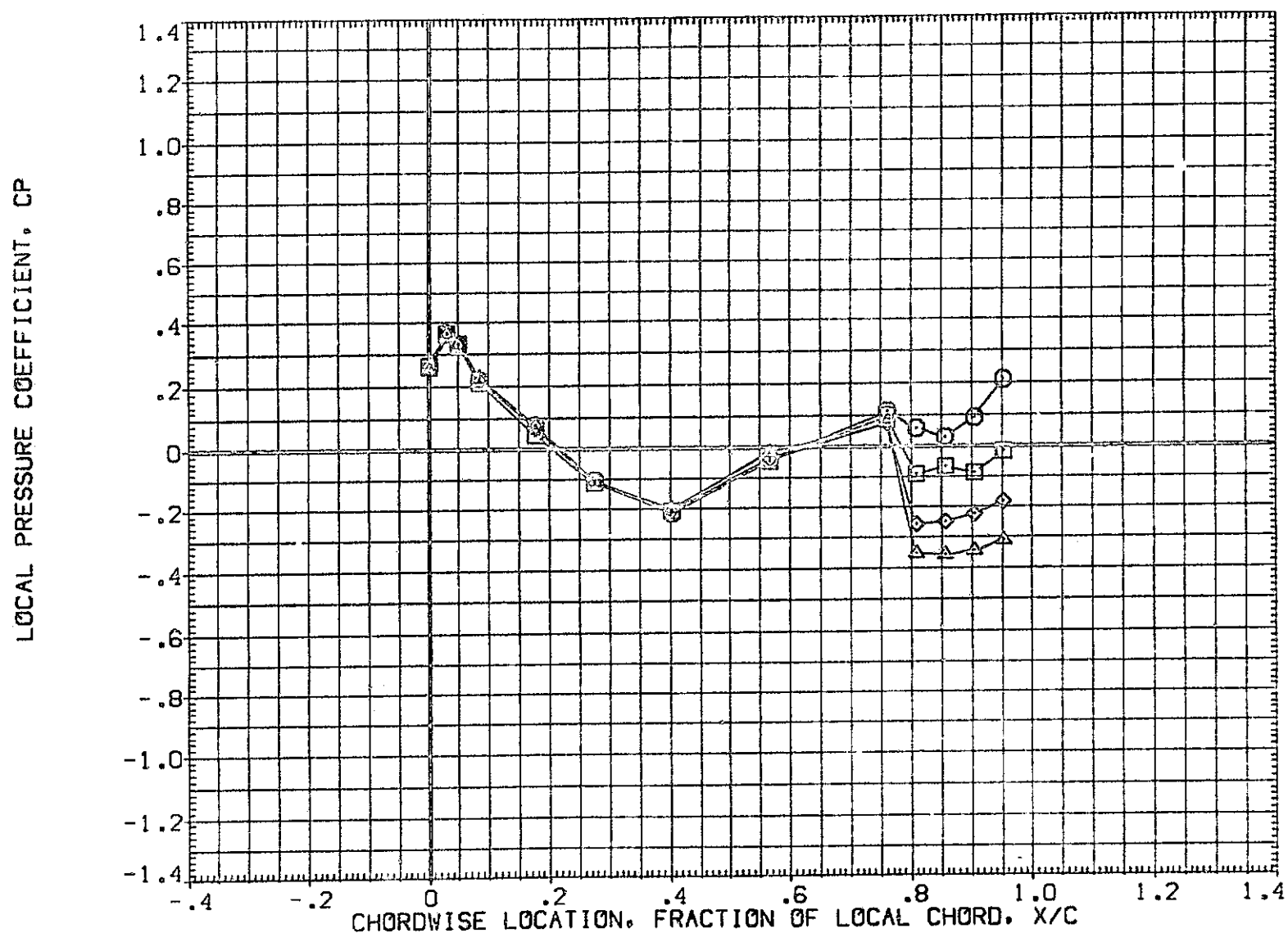


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -6.000 2Y/B = .436 PAGE 451

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44] □	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49] ○	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54] ×	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59] △	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	9.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

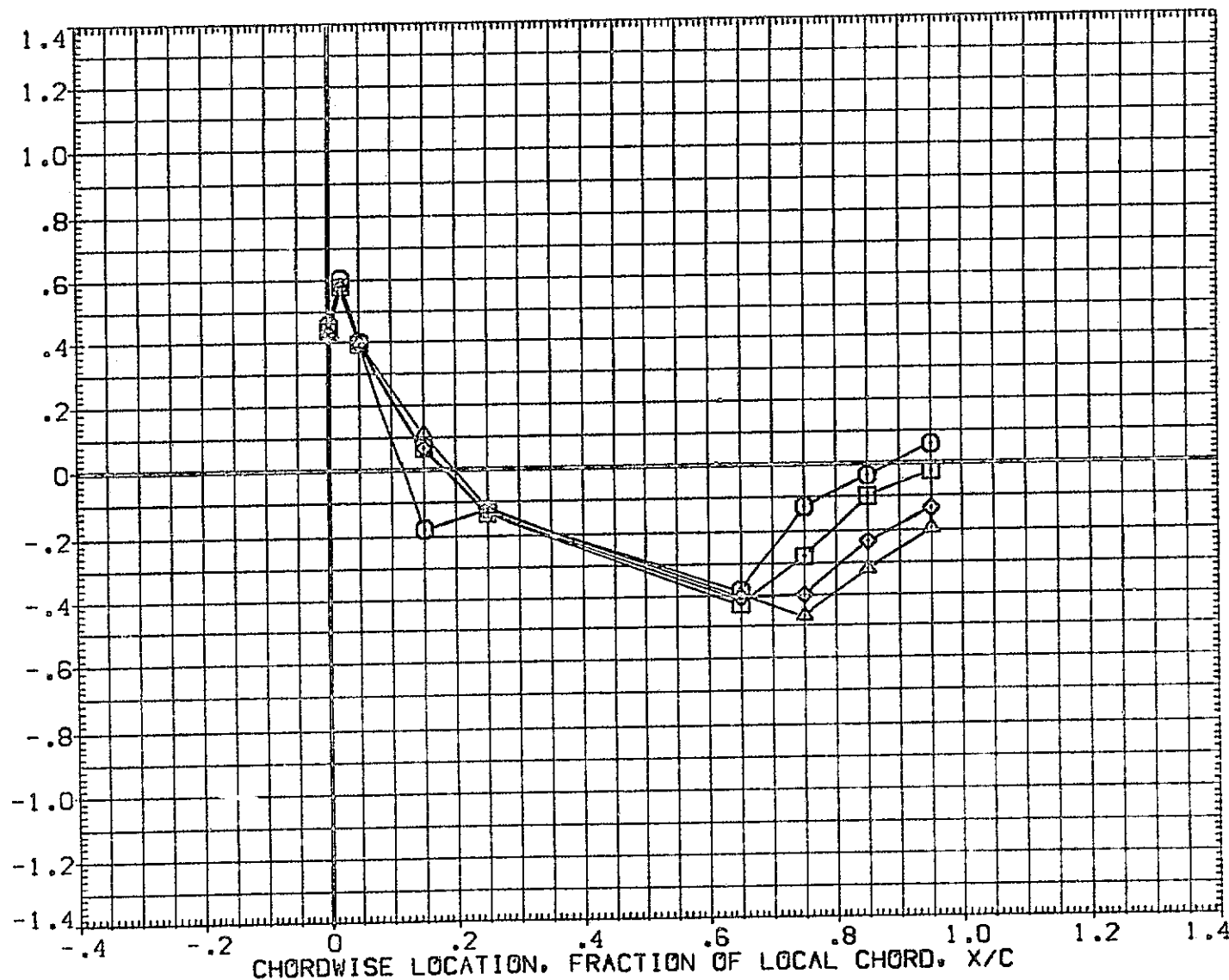


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7U44}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
{AF7U49}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
{AF7U54}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
{AF7U59}	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

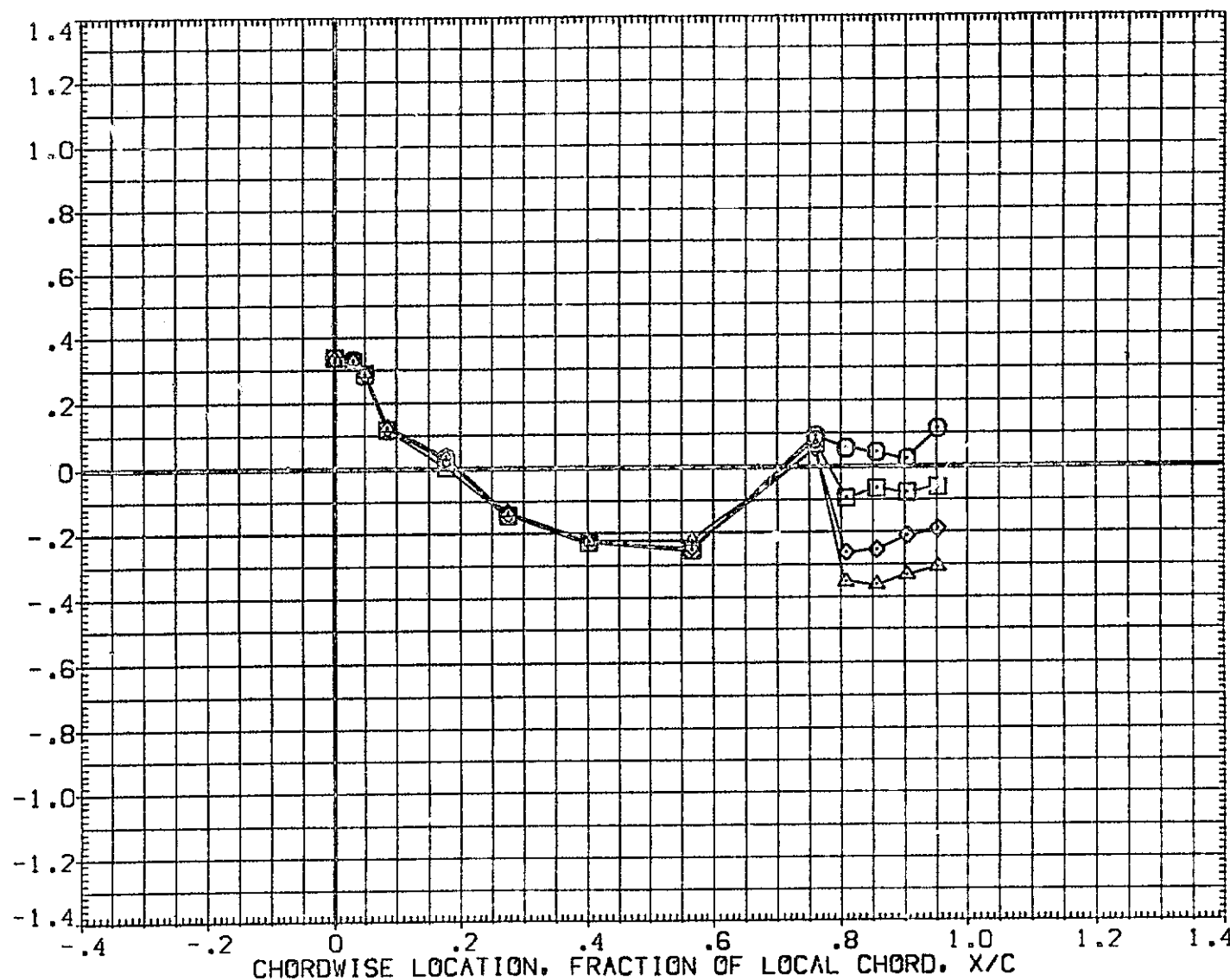


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -4.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	9.000	12.000	12.000

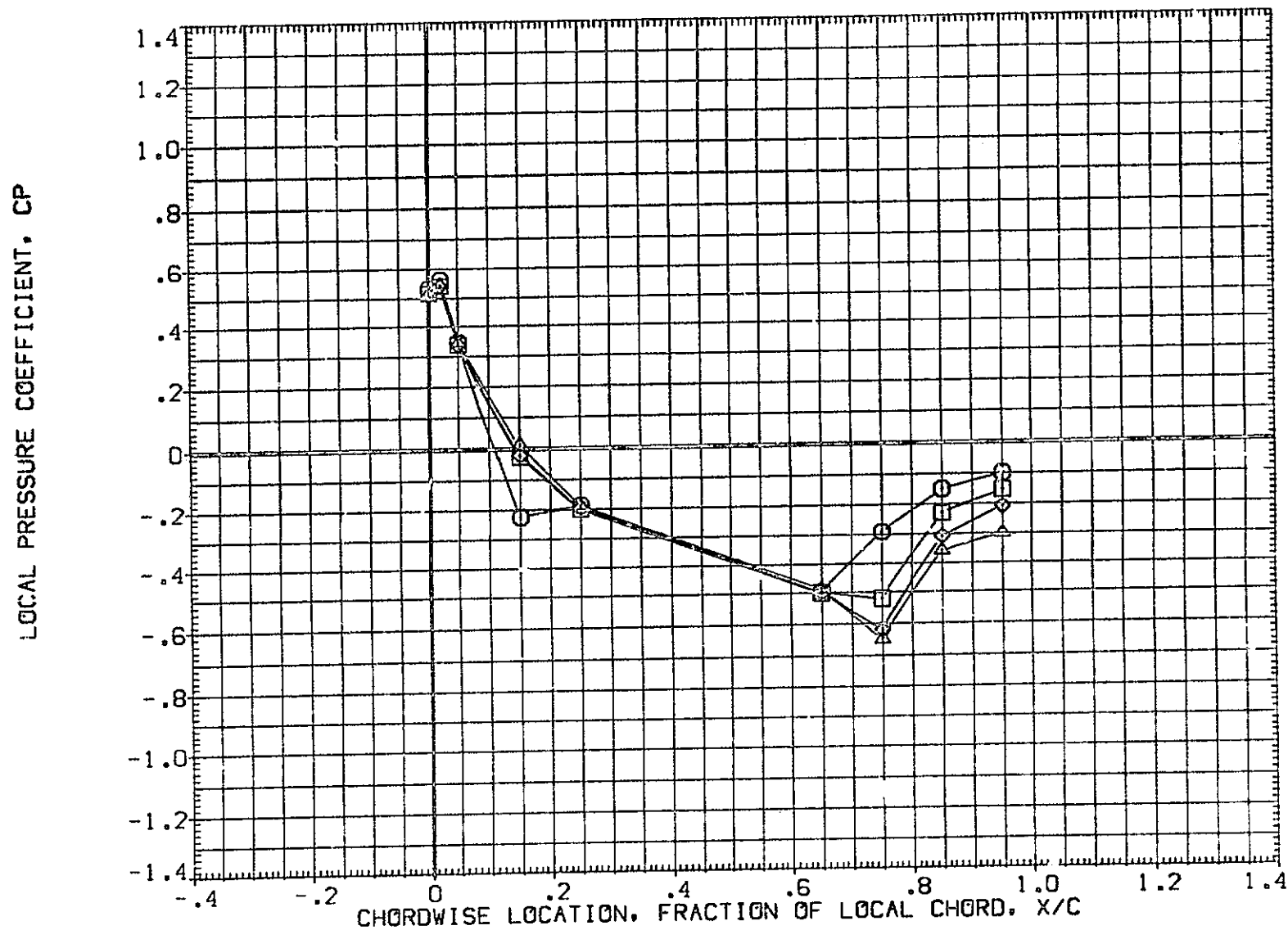


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -4.000 2Y/B = .771 PAGE 454

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U55]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

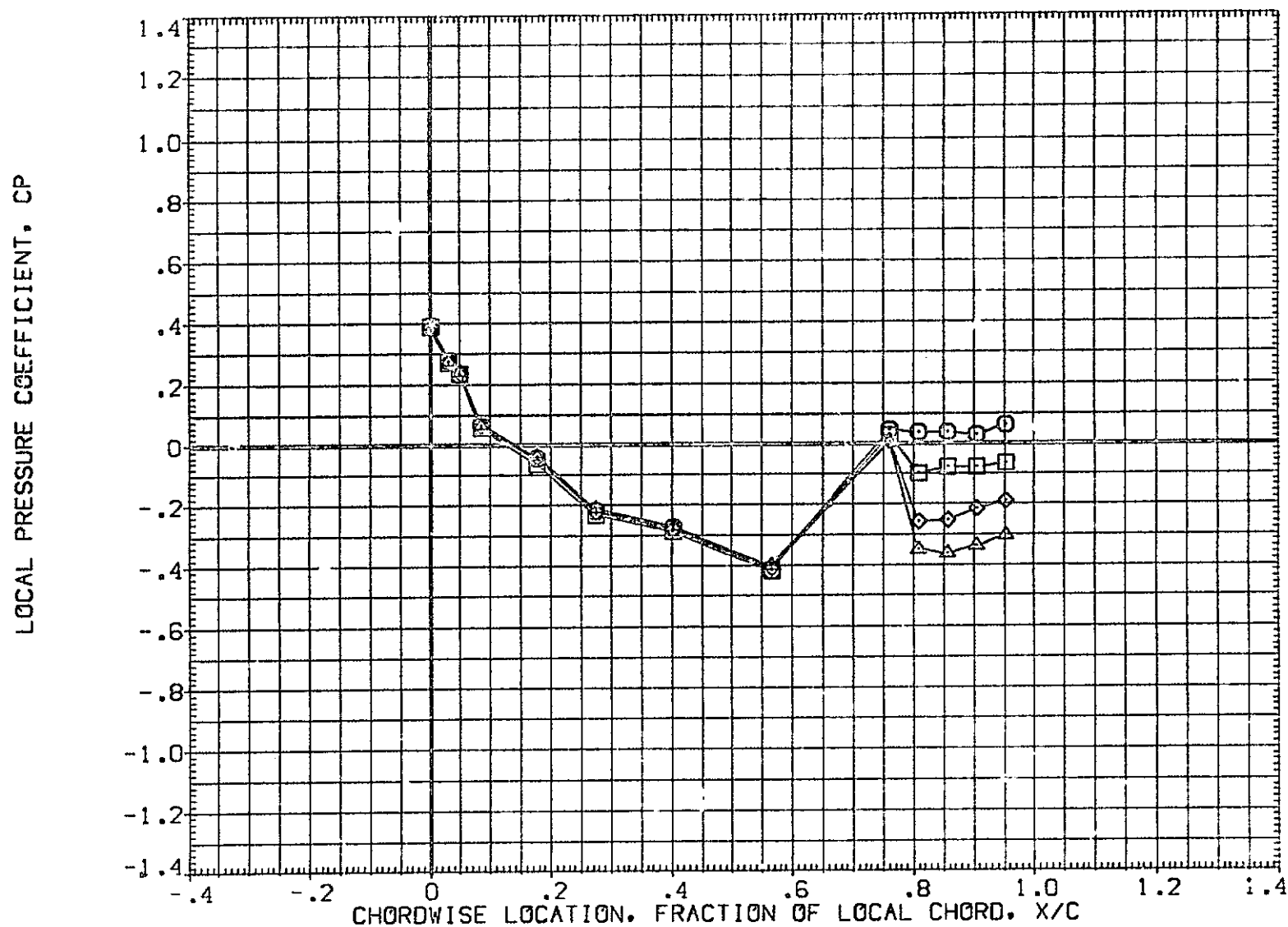


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

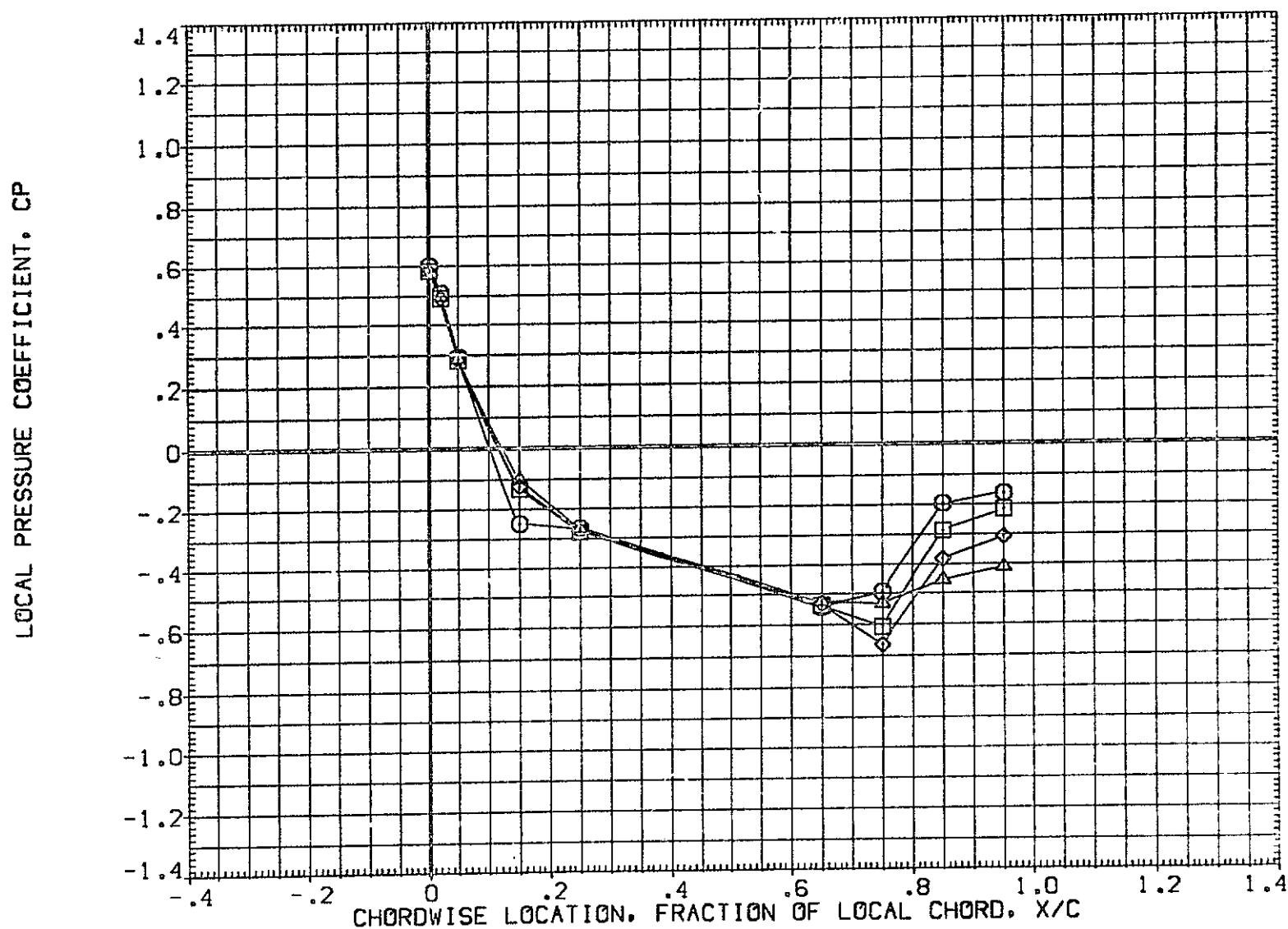


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

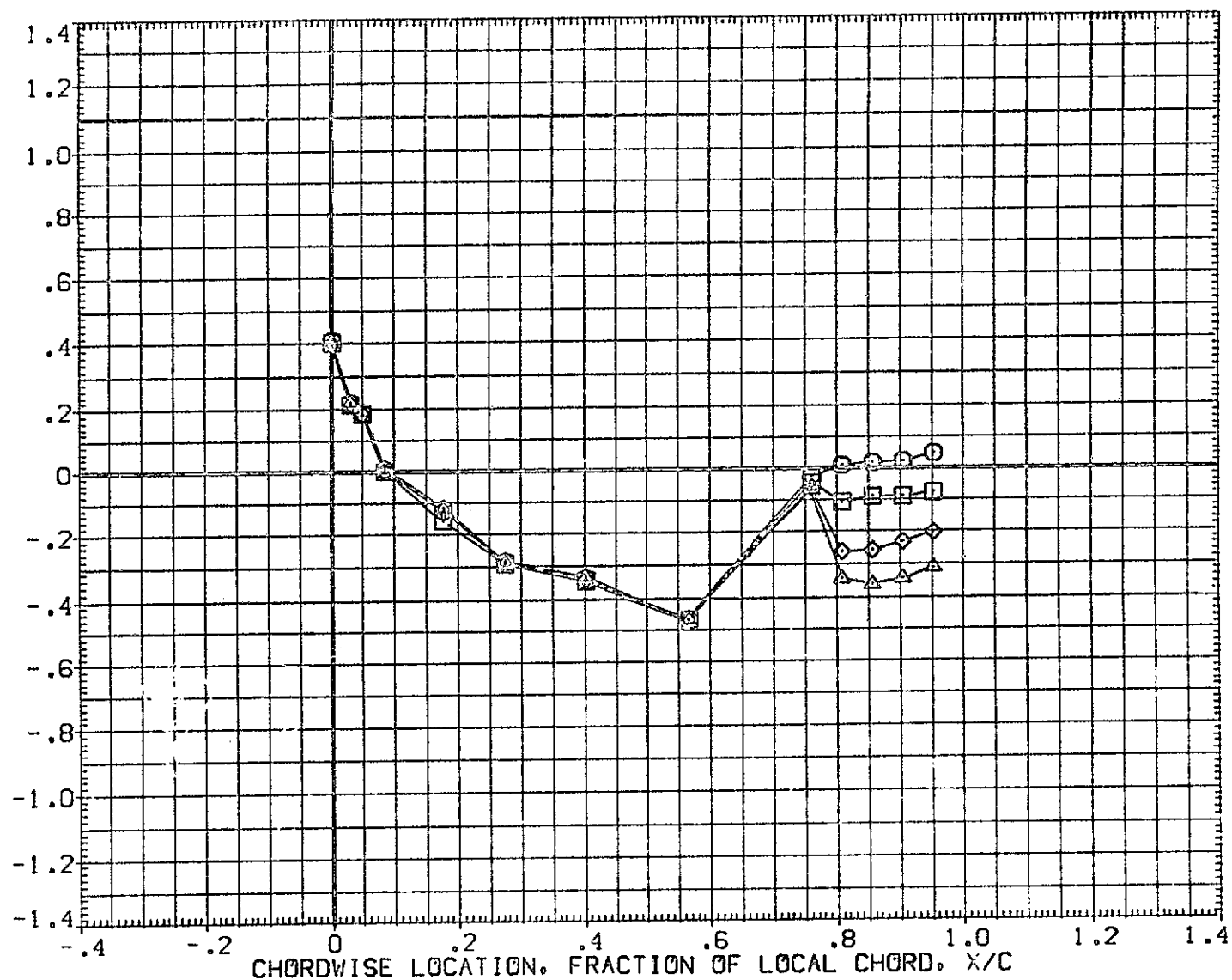


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = .000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

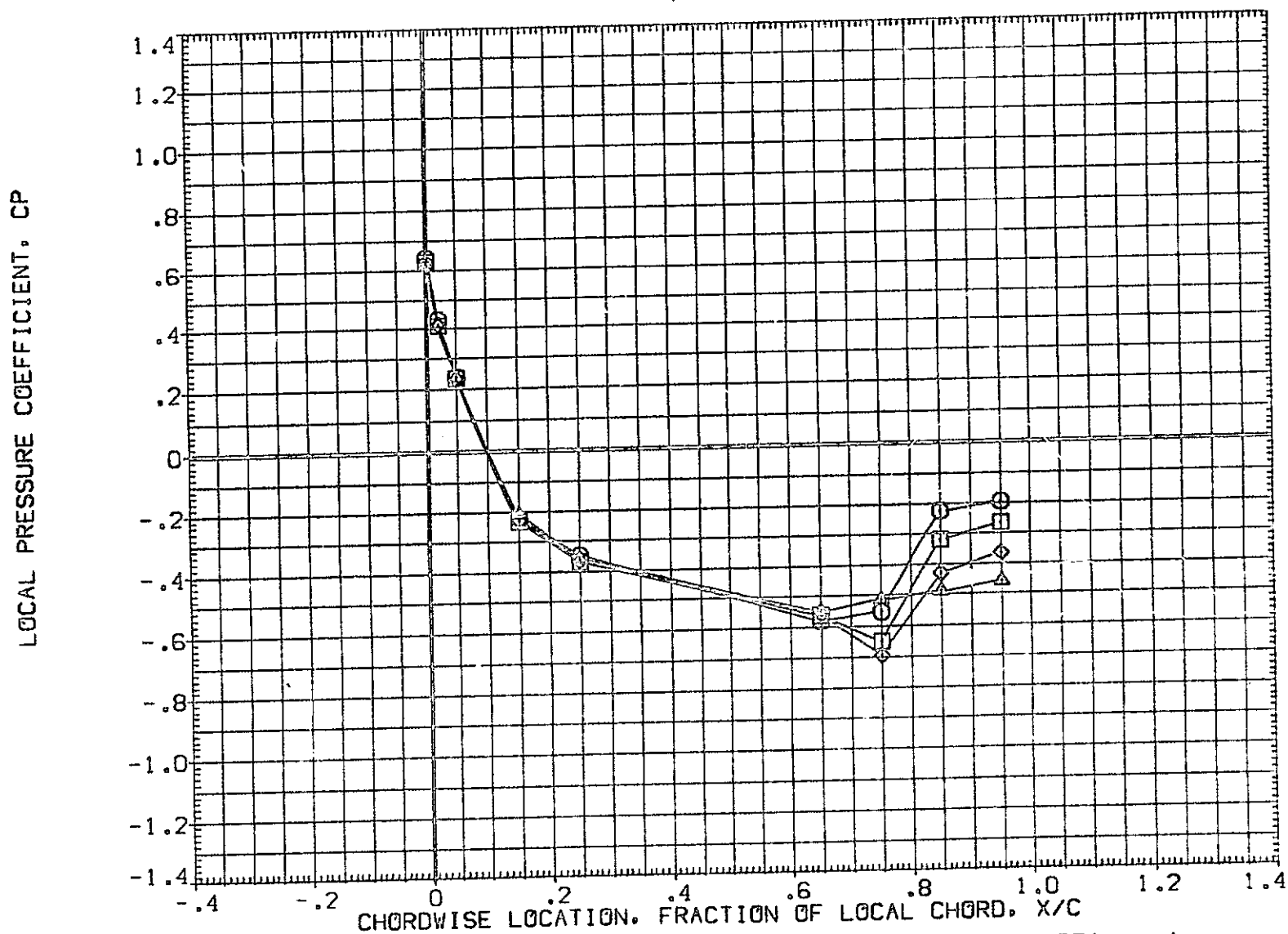


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = .000 2Y/B = .771 PAGE 458

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

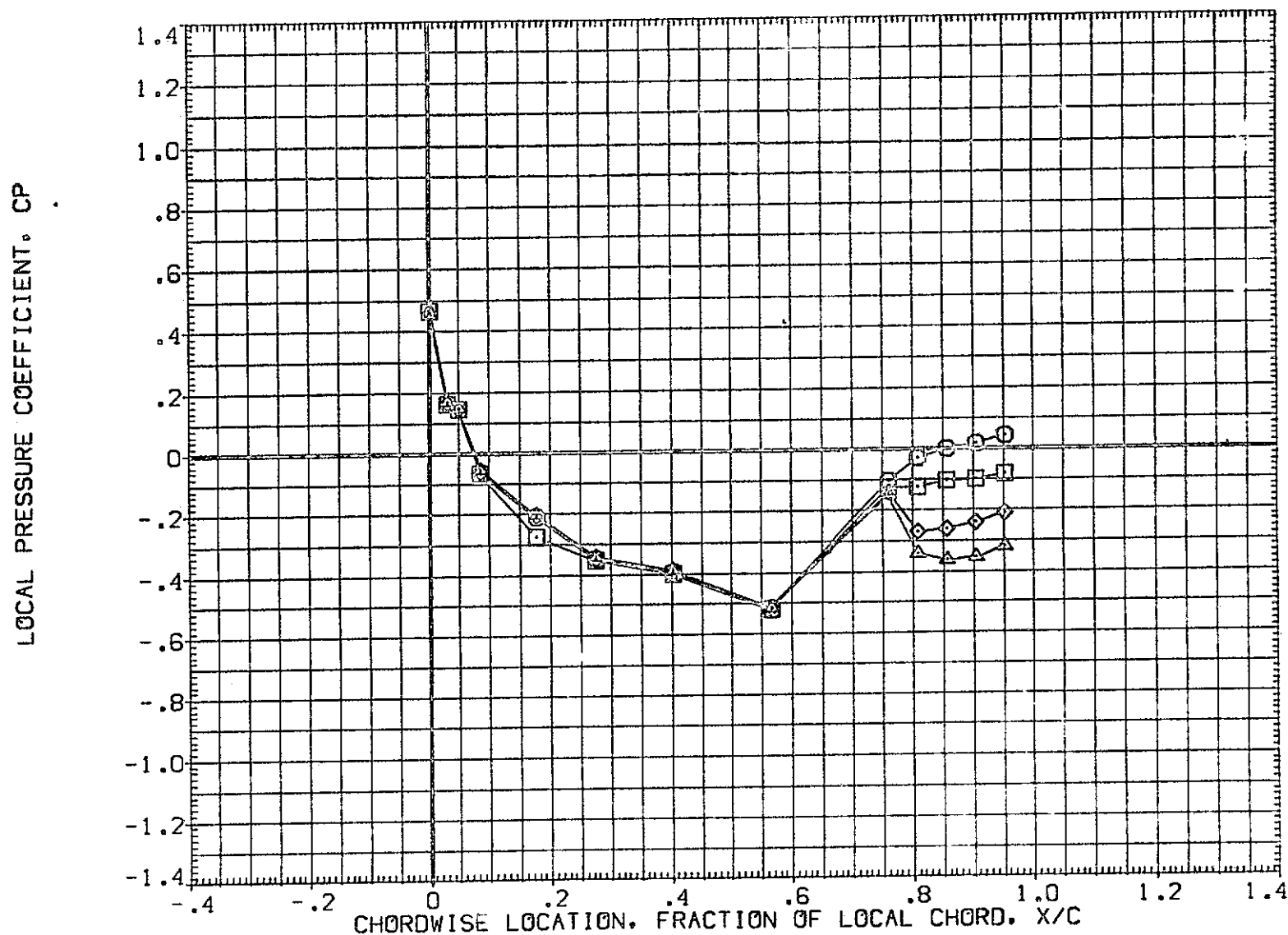


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U44]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U54]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U59]	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

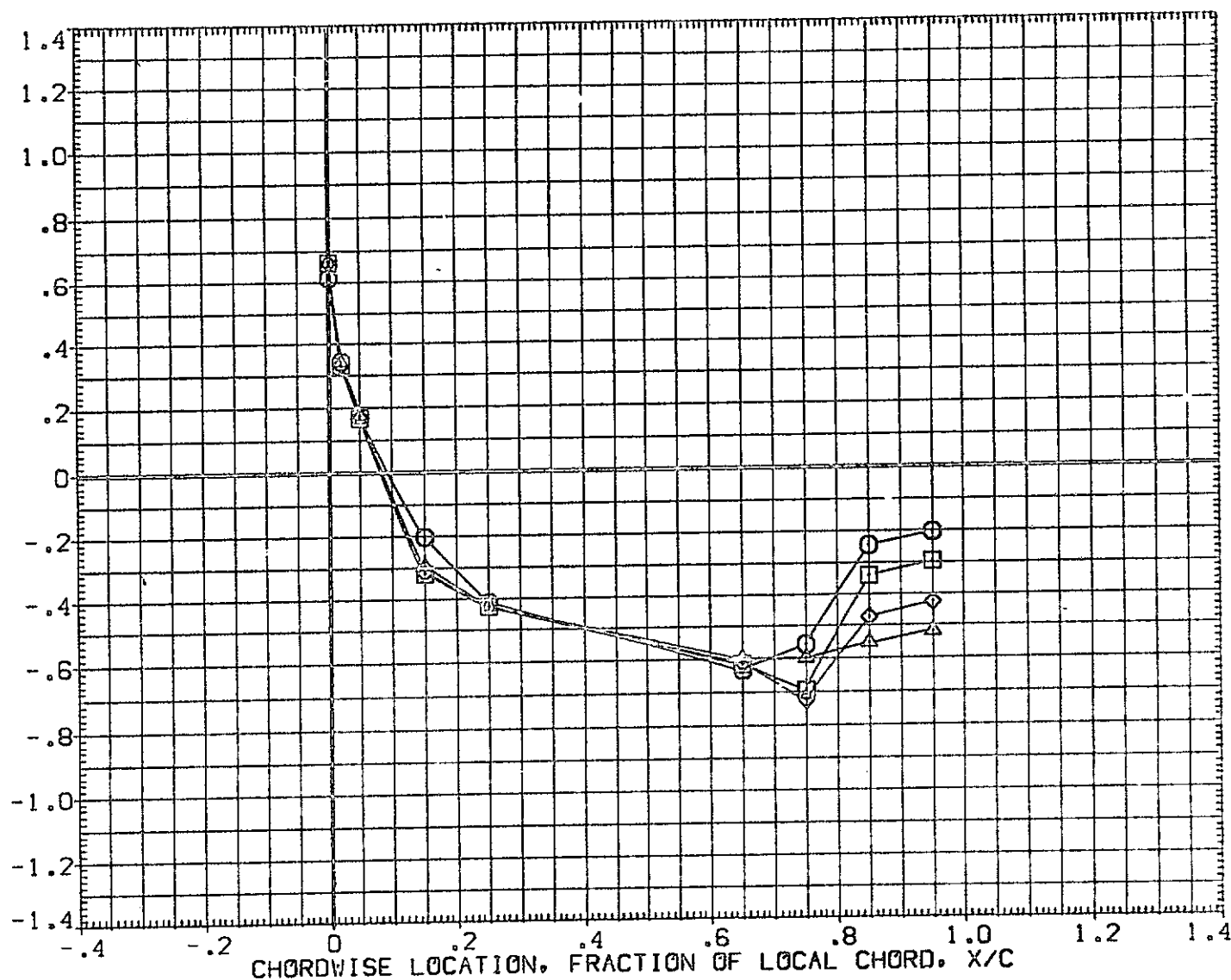


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 2.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	○	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	□	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	◇	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	△	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

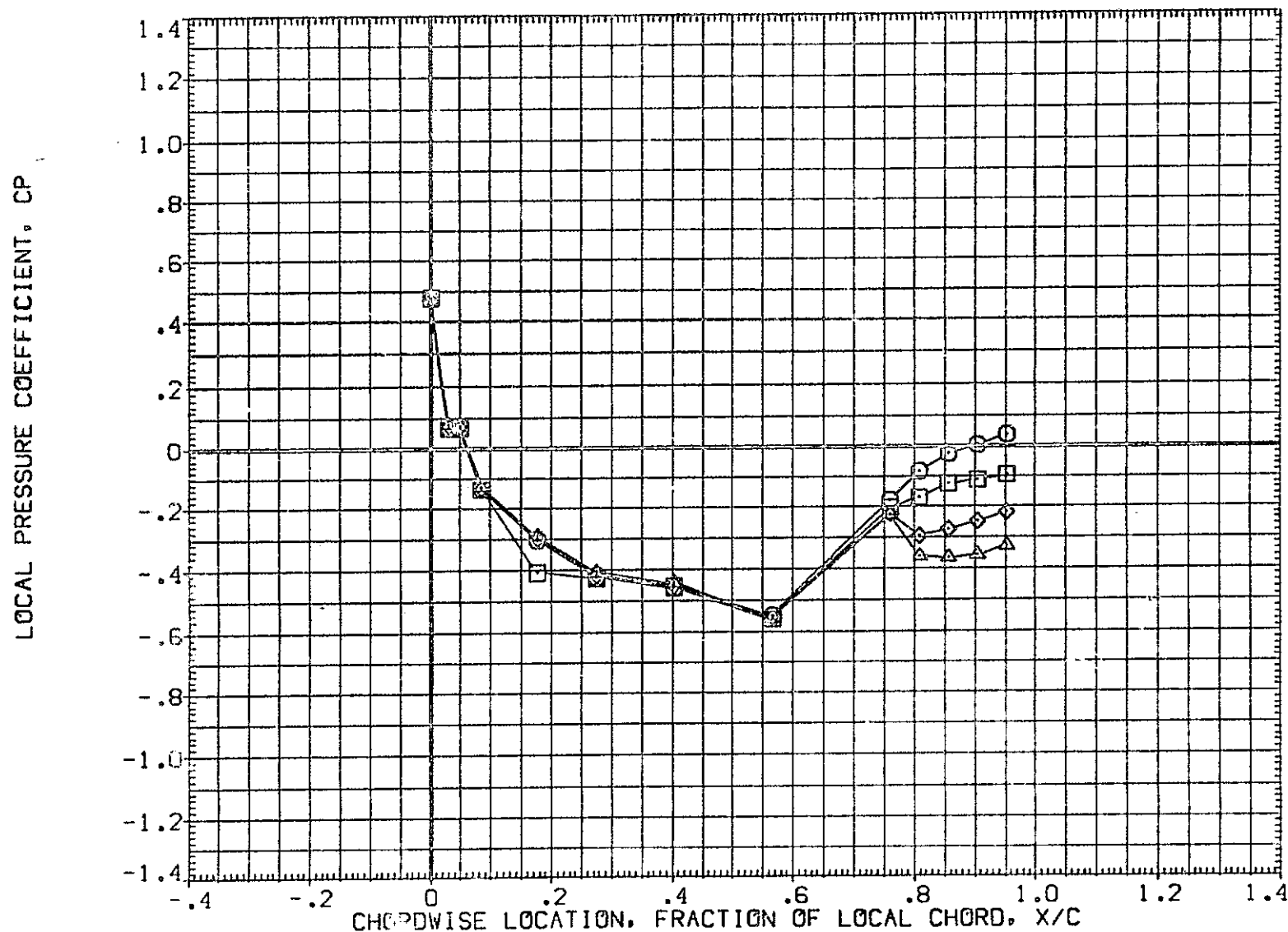


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

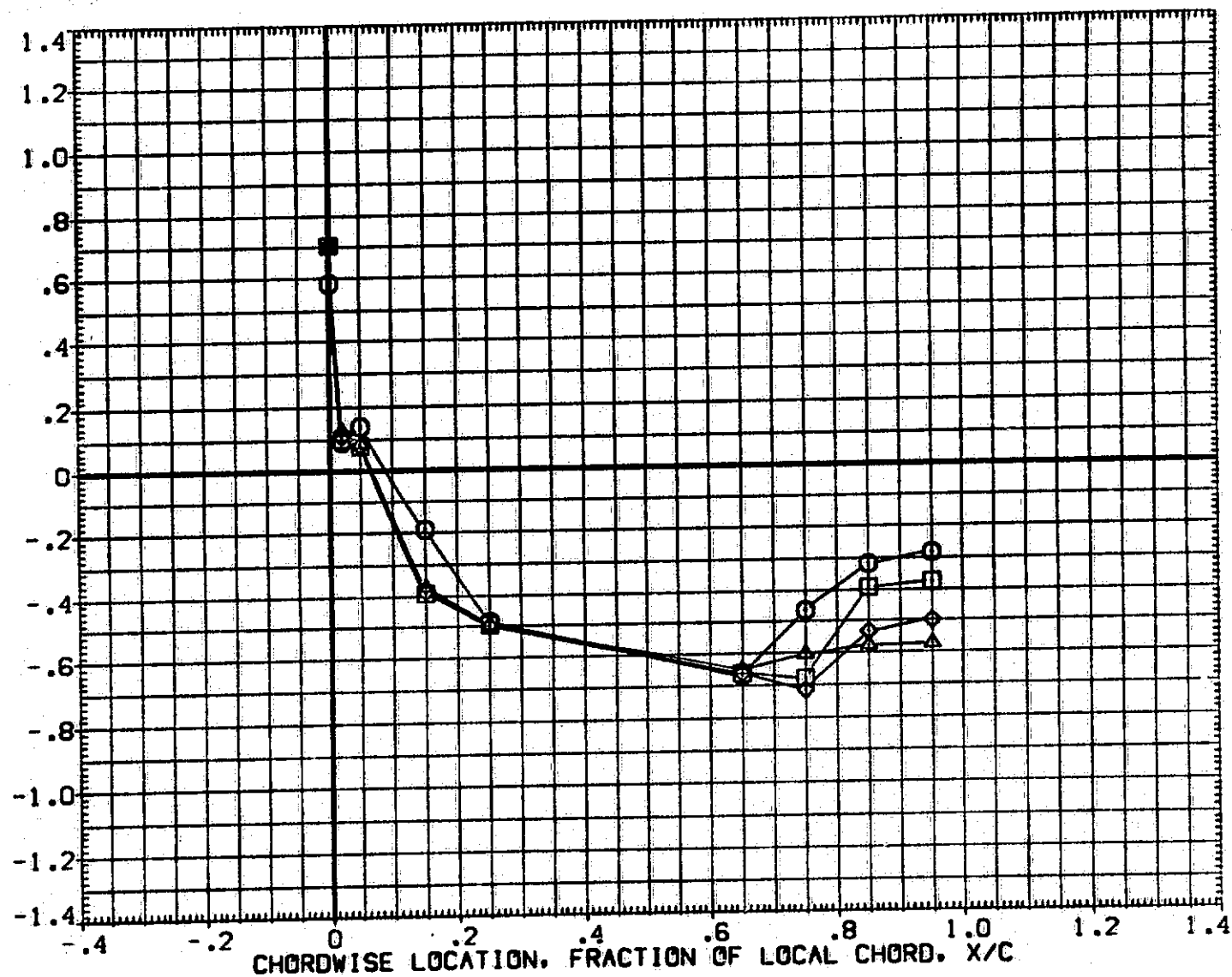


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

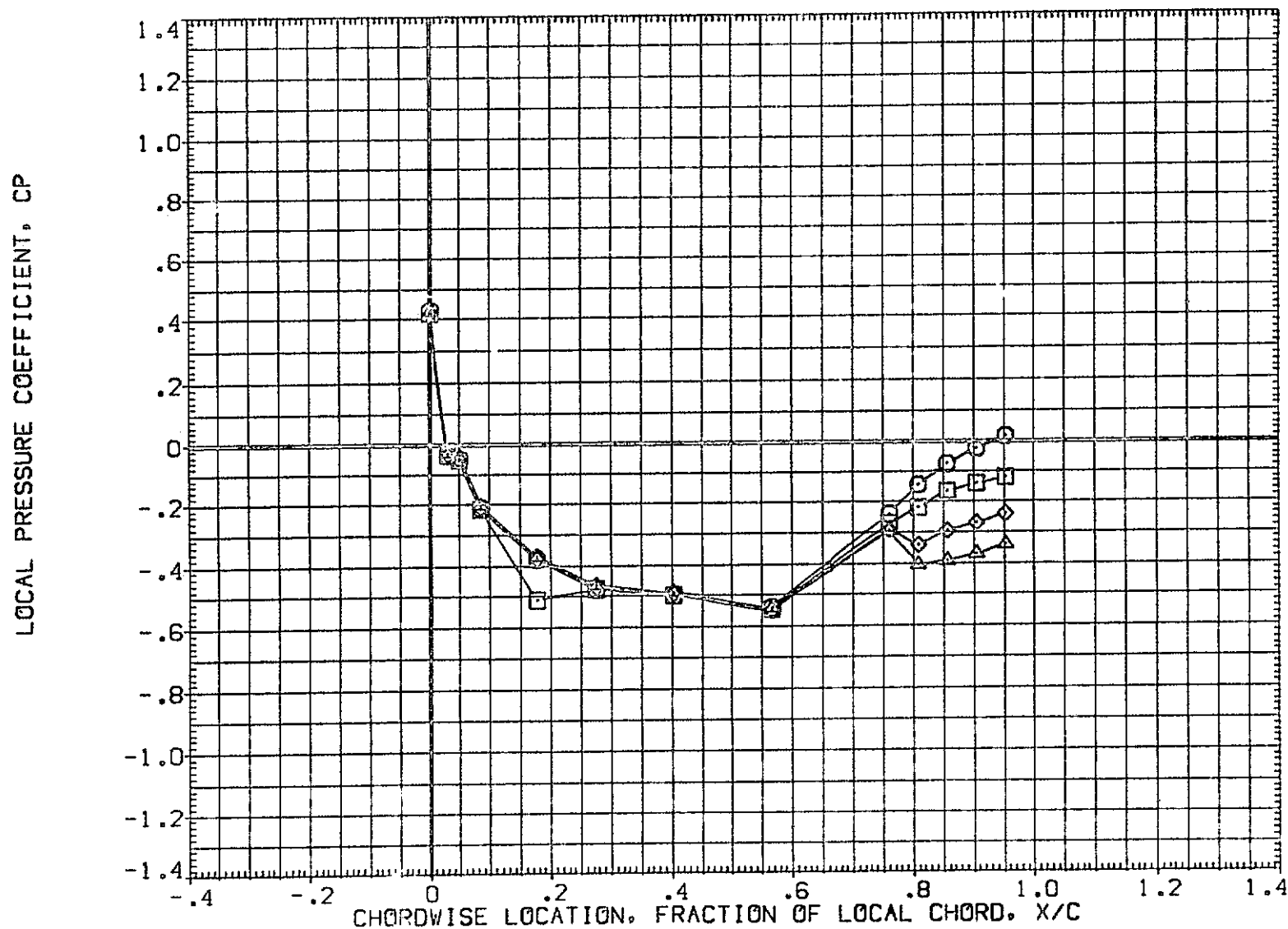


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 6.000 2Y/B = .436 PAGE 463

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

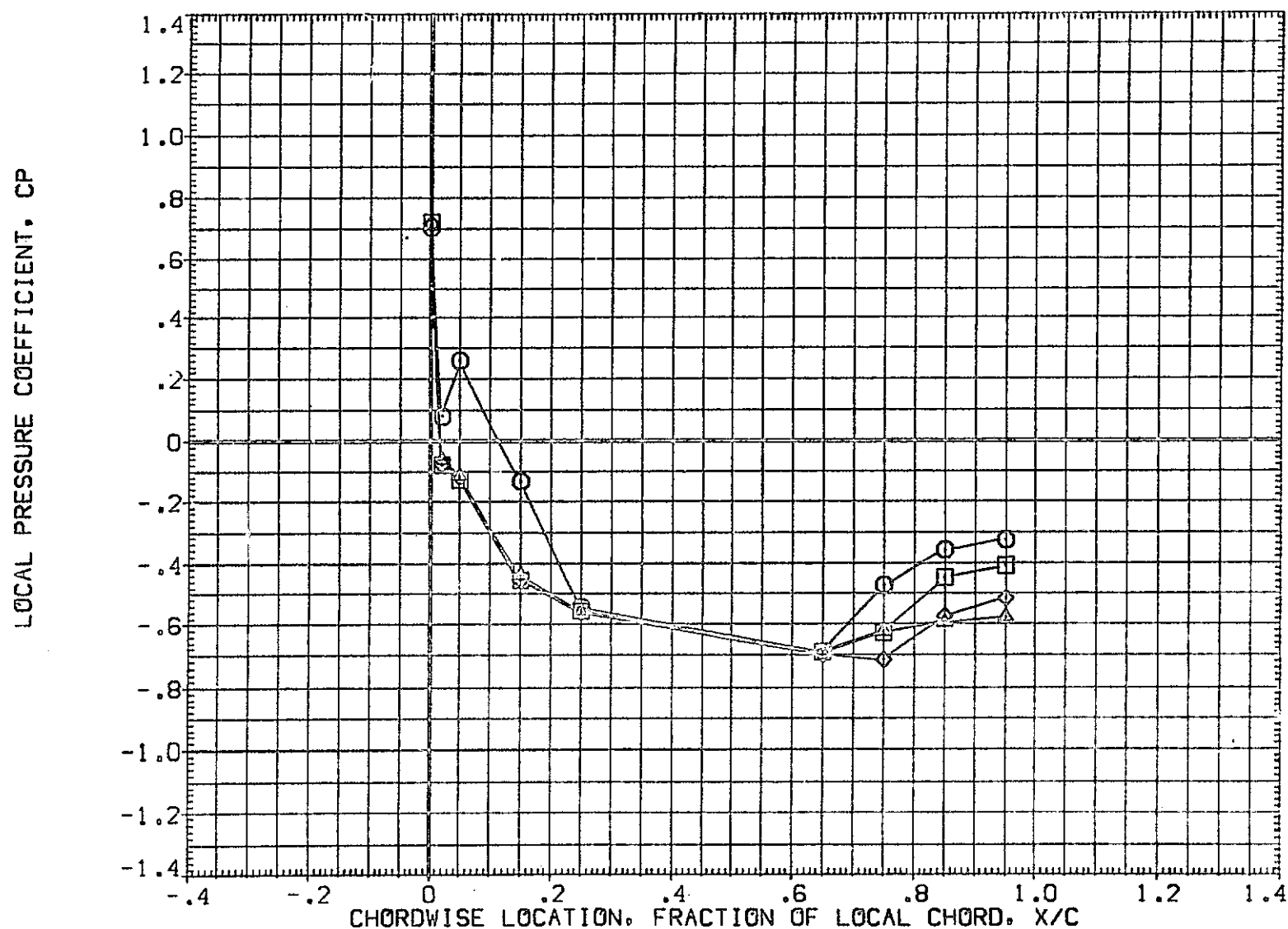


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 6.000 2Y/B = .771 PAGE 464

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

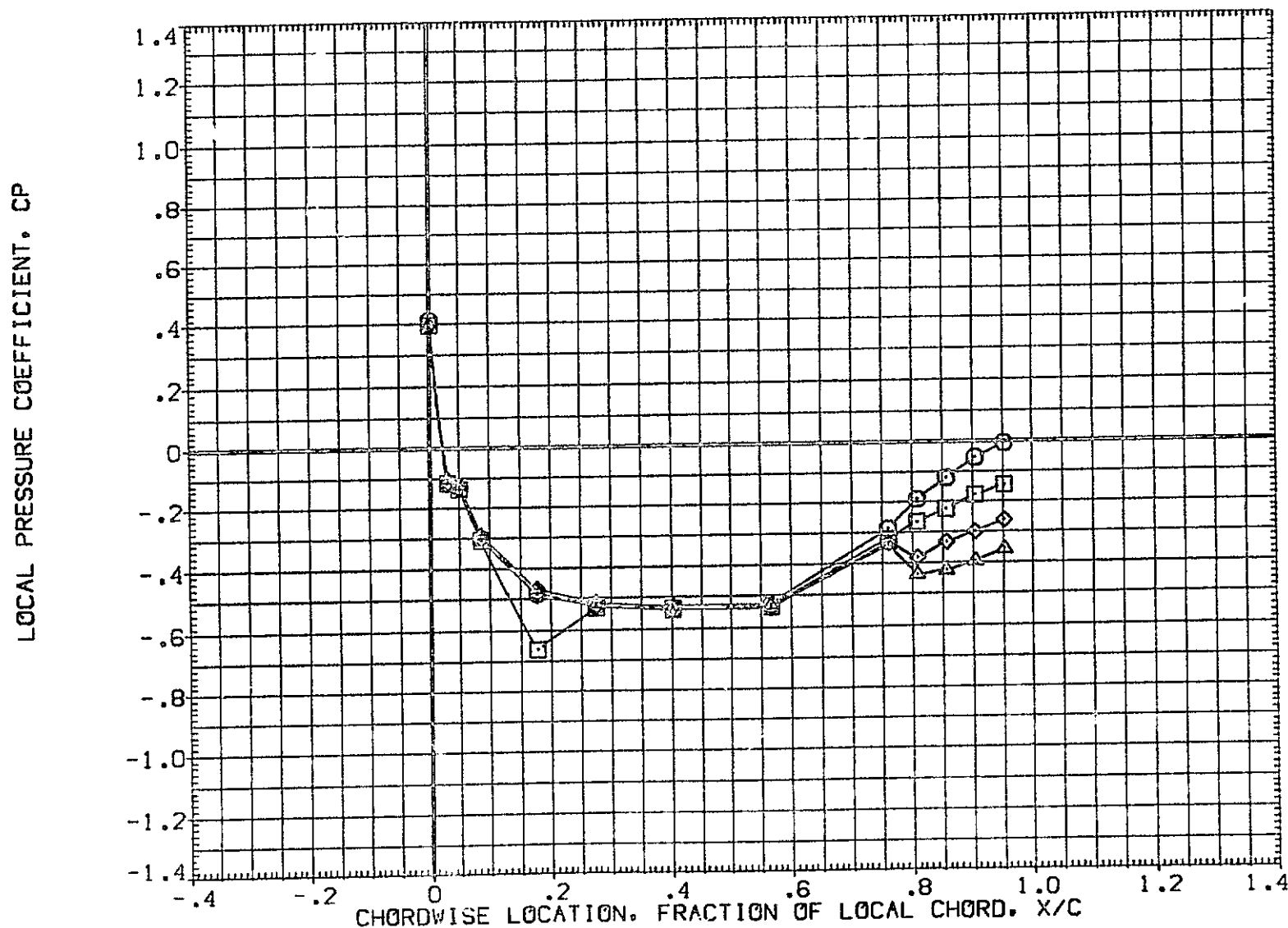


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA 8.000 2Y/B = .436 PAGE 465

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

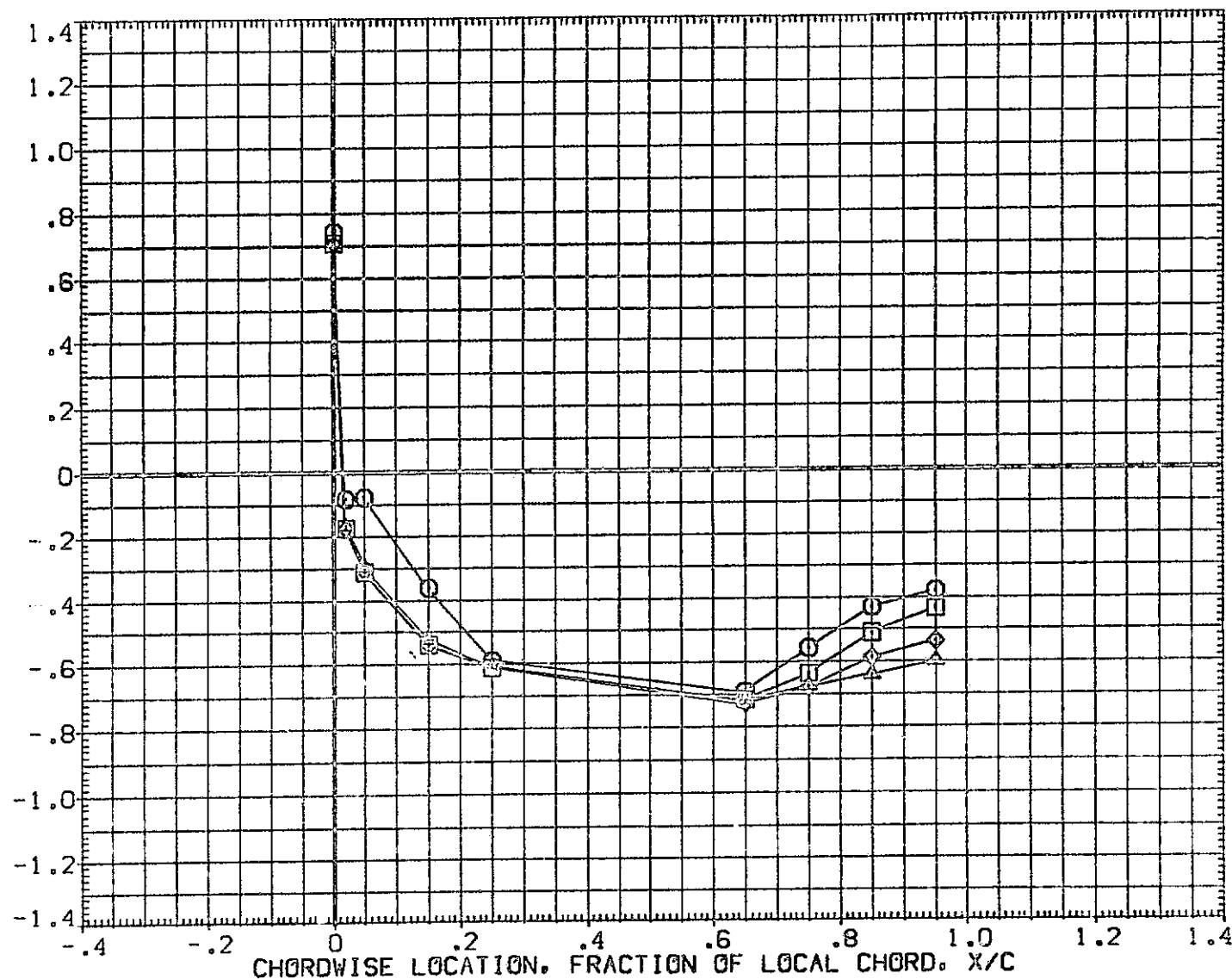


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 8.000 2Y/B = .771

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DATA SET	SYMBOL	CONFIGURATION				DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4	
(AF7U44)	○	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	□	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	◇	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	△	1A70	01	T12	S1	P2 P8	WING UPPER SURFACE	8.000	12.000	12.000	12.000

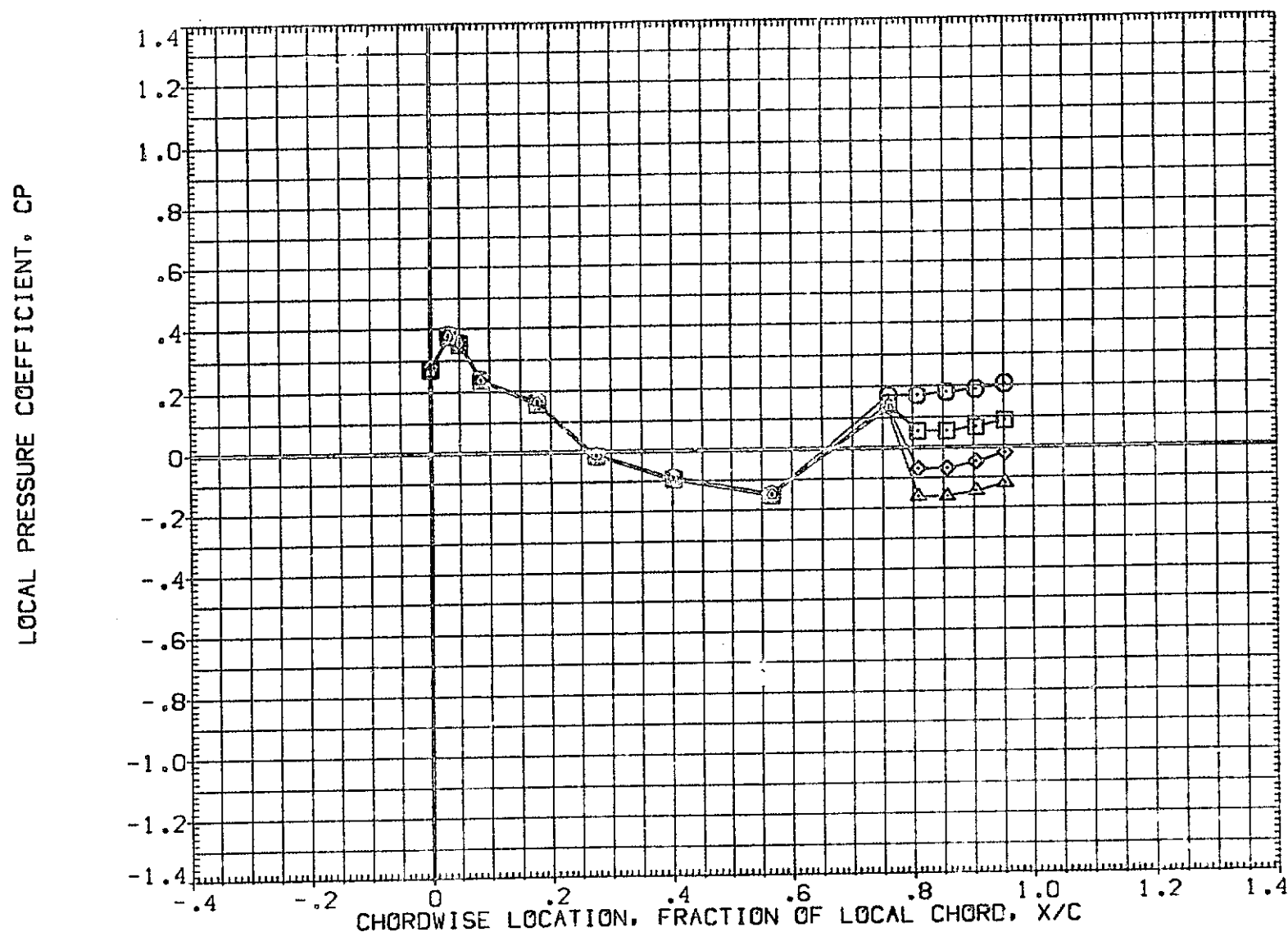


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

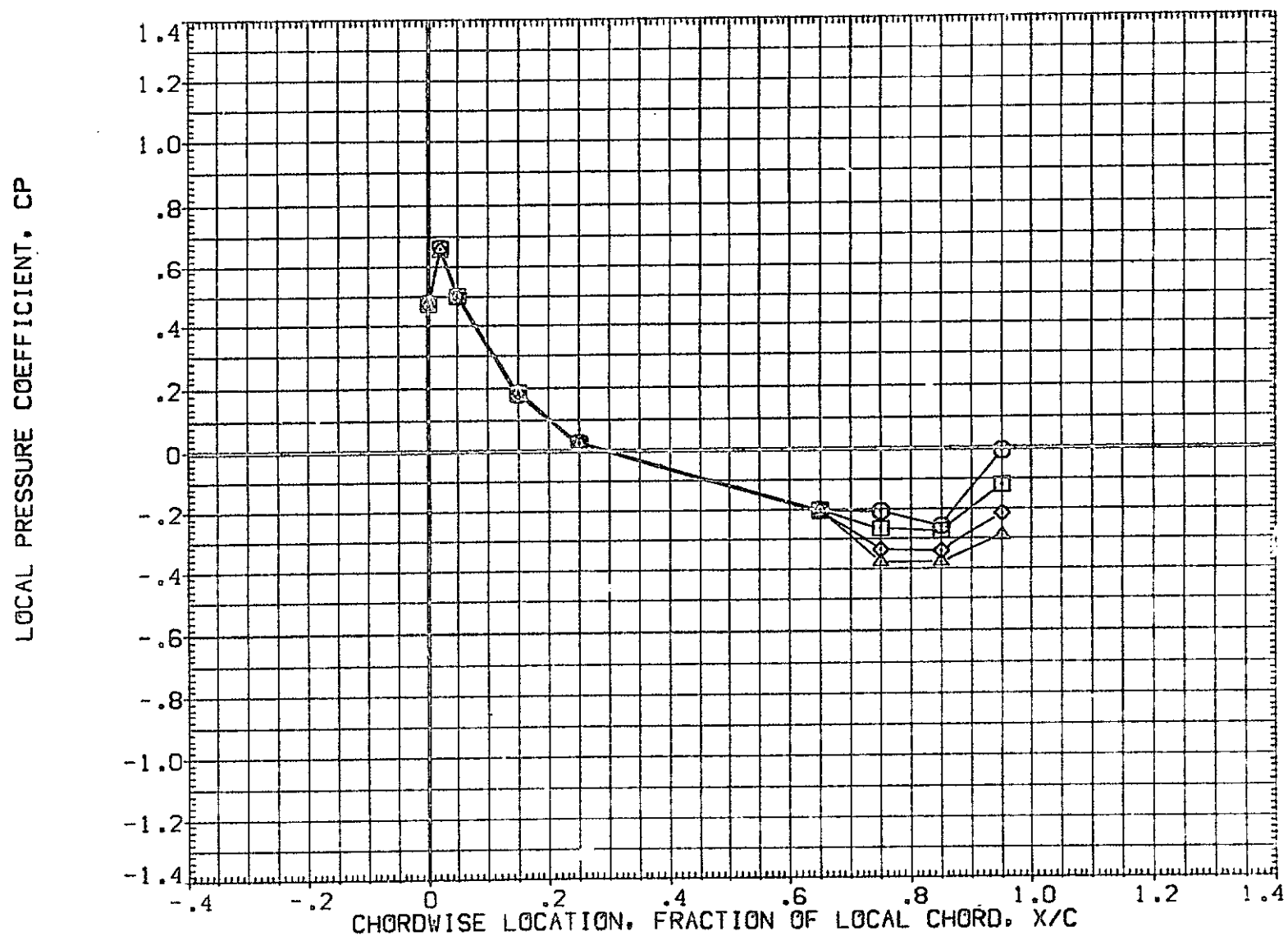


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -8.000 2Y/B = .771 PAGE 468

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

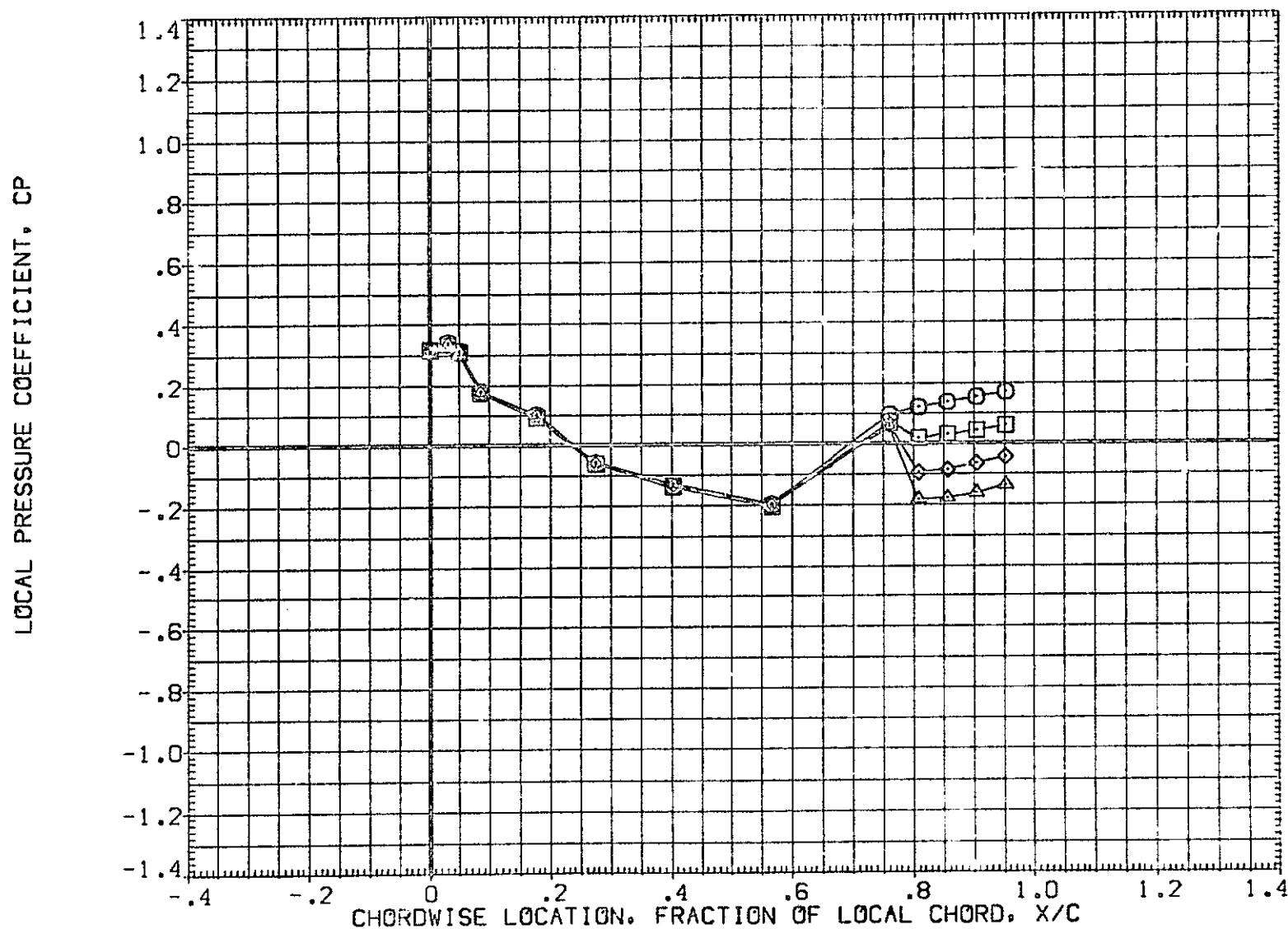


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

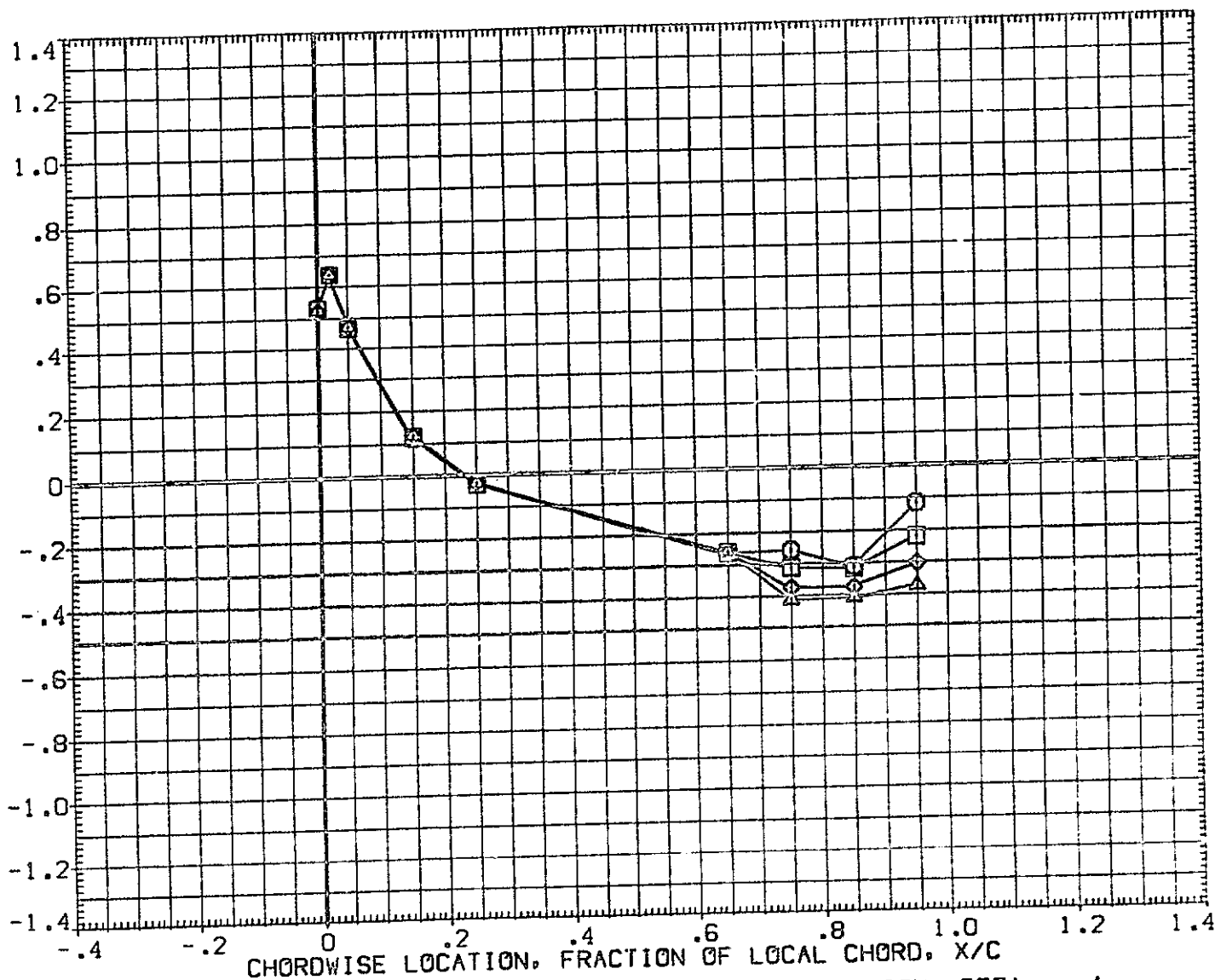


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

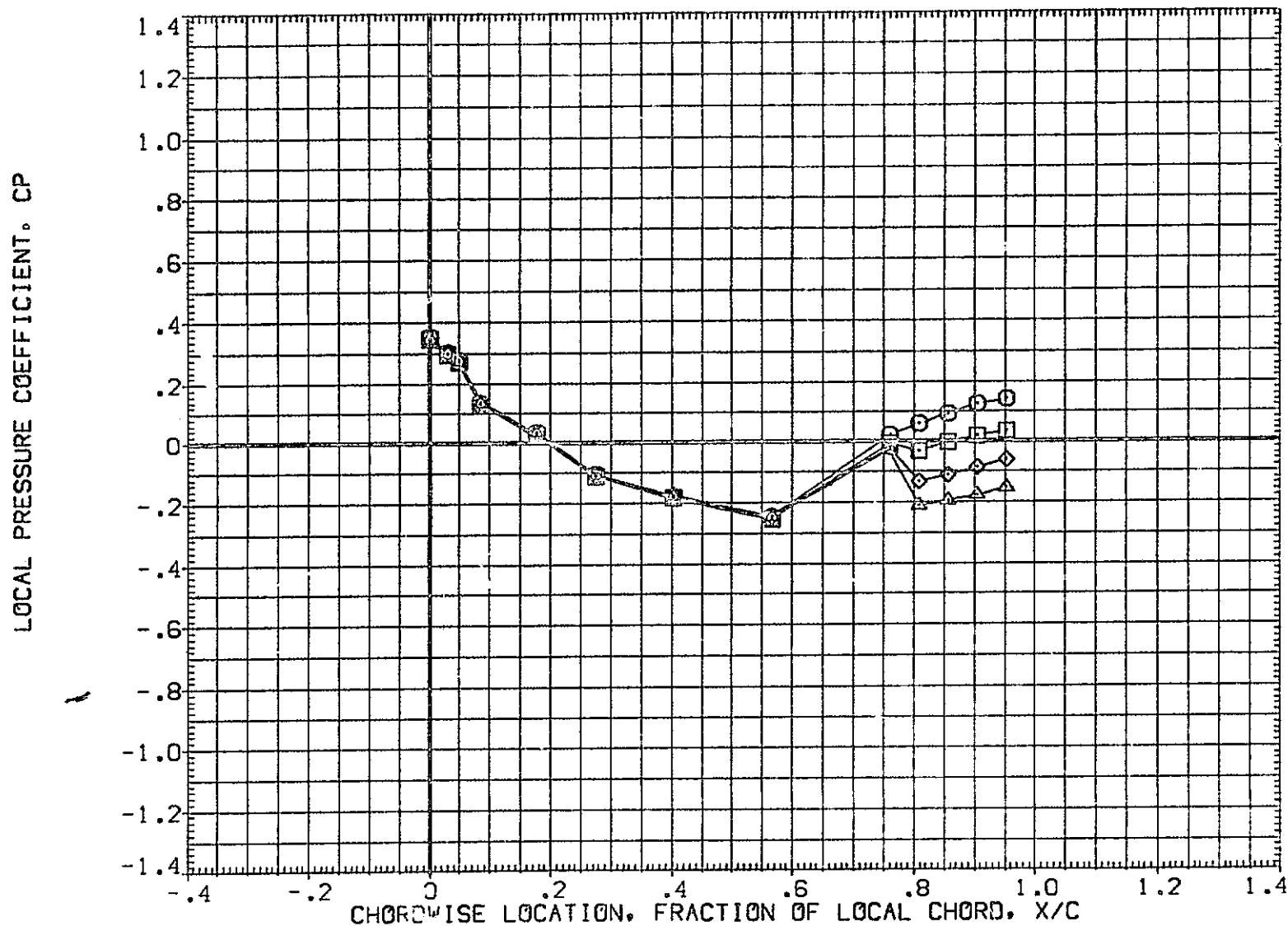


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

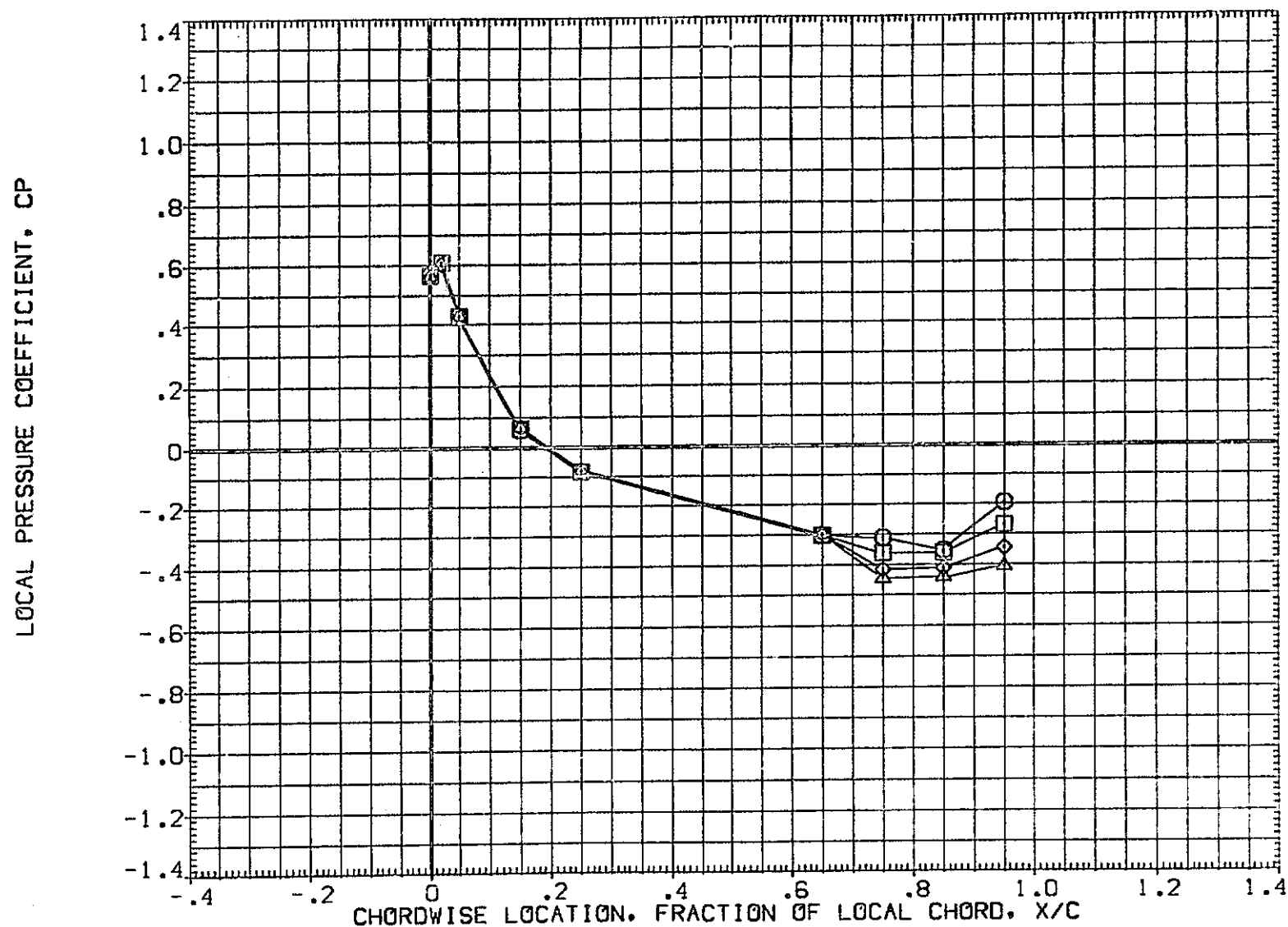


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -4.000 2Y/B = .771 PAGE 472

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

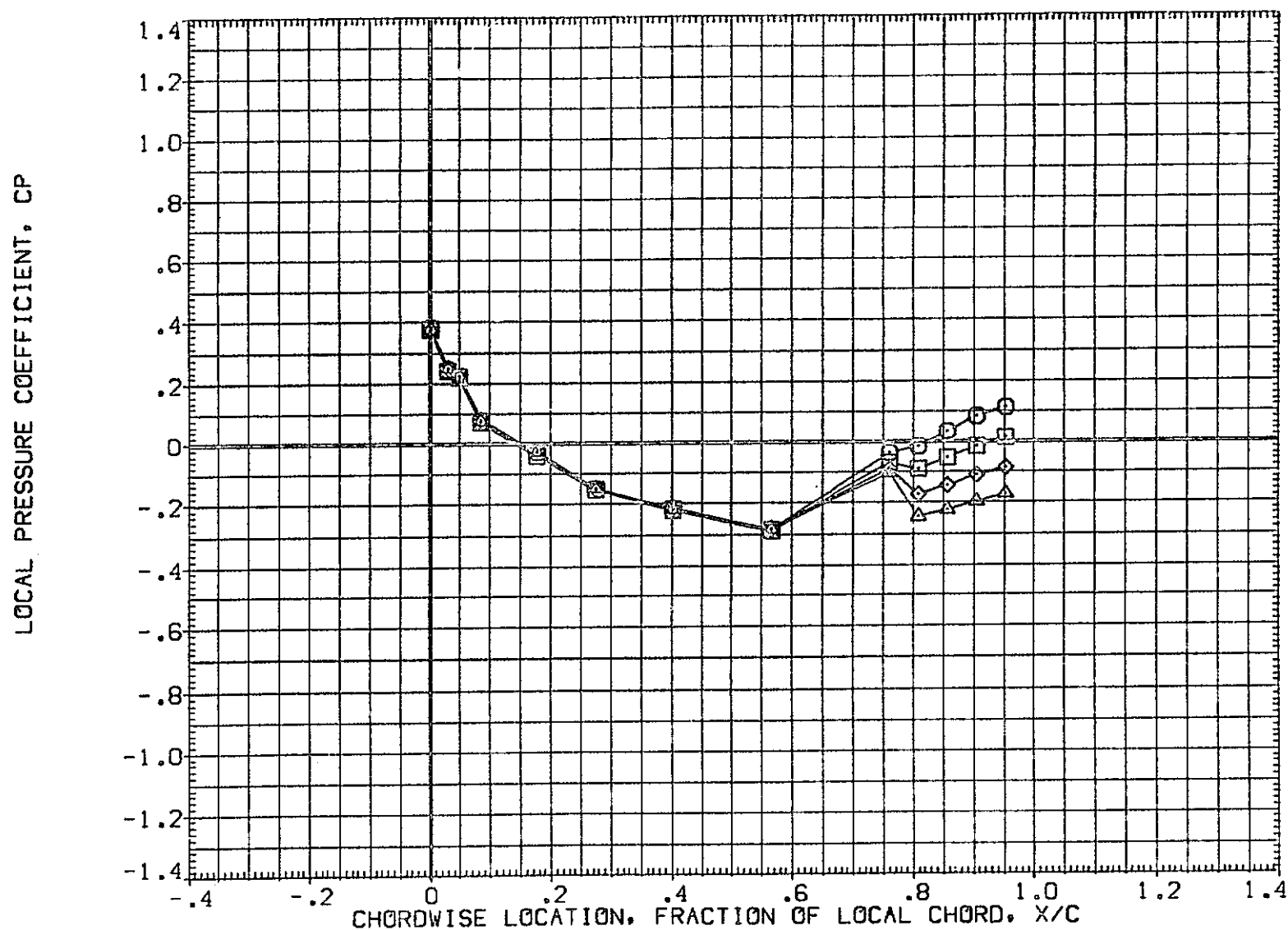


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	4.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	0.000	0.000	0.000	0.000
[AF7U59]	1A70 01 T12 S1 P2 P3 WING UPPER SURFACE	0.000	12.000	12.000	12.000

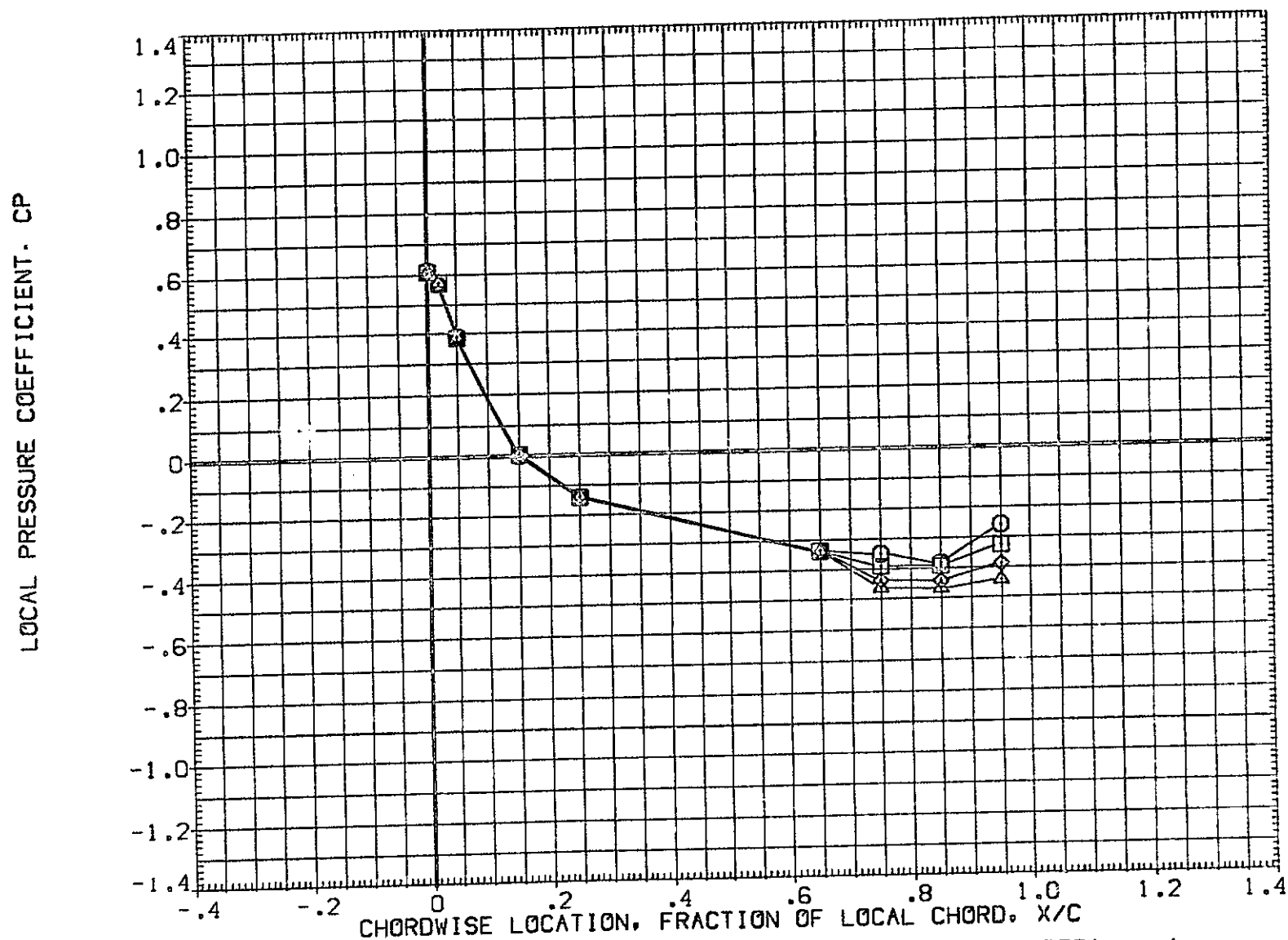


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

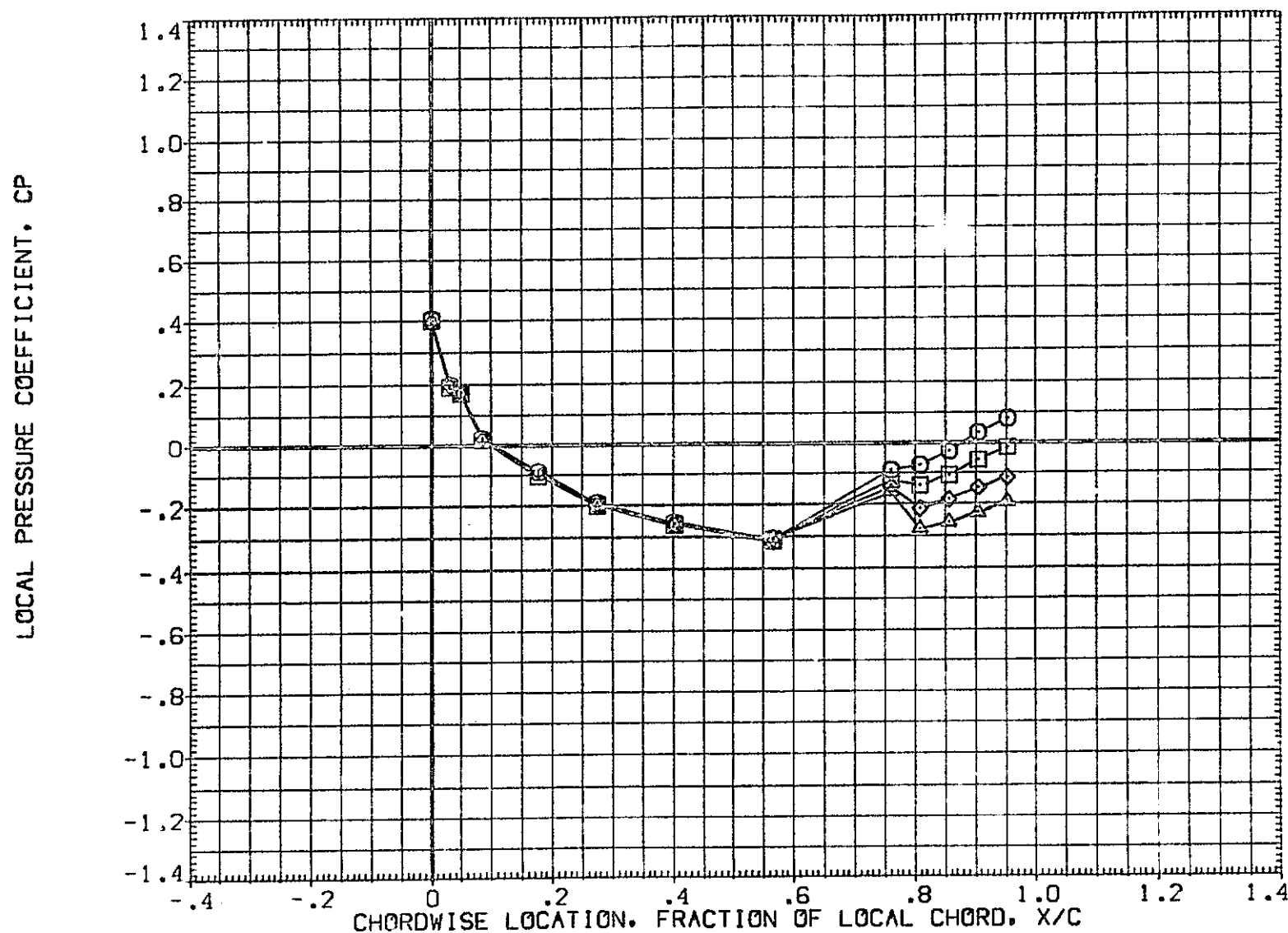


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = .000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

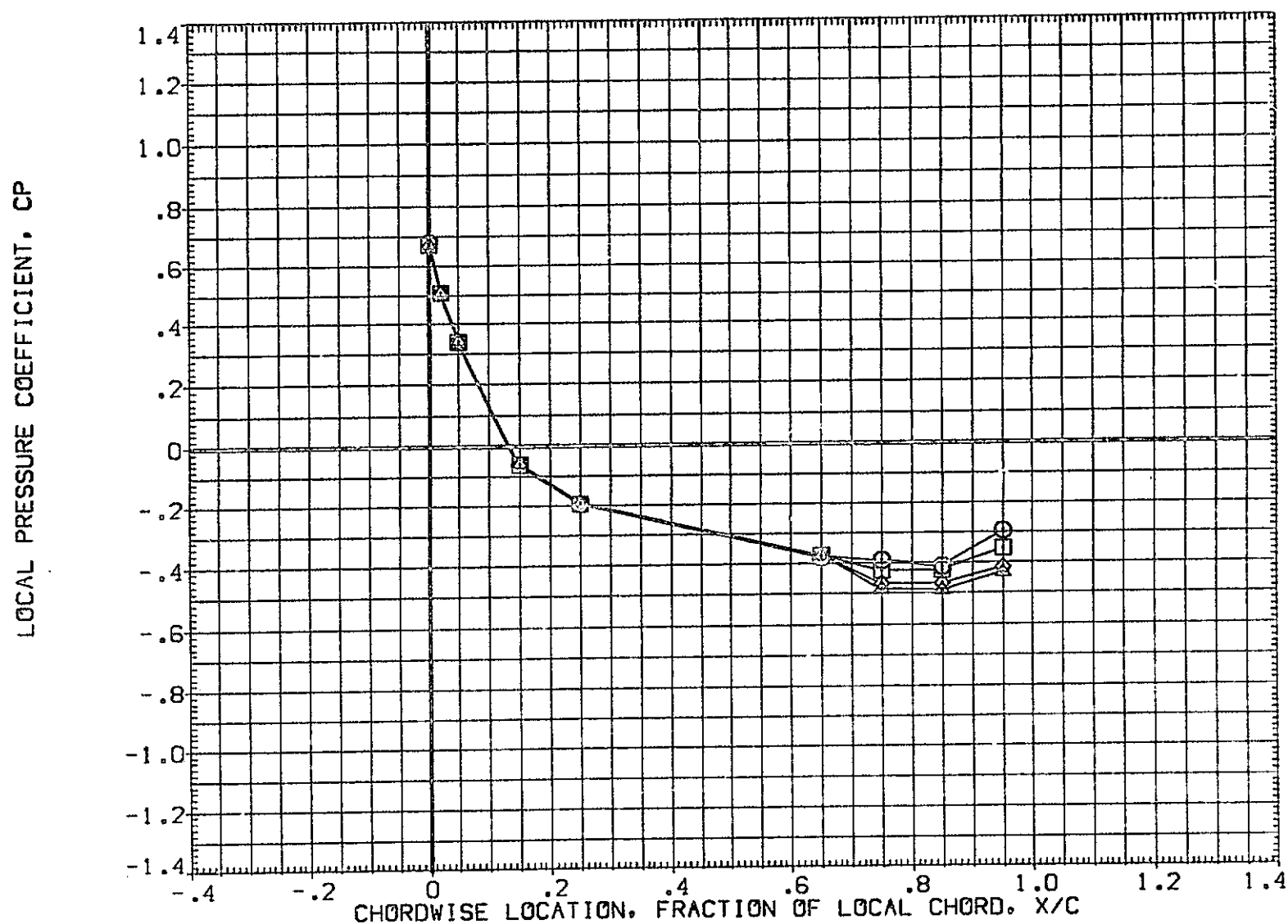


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = .000 2Y/B = .771 PAGE 476

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

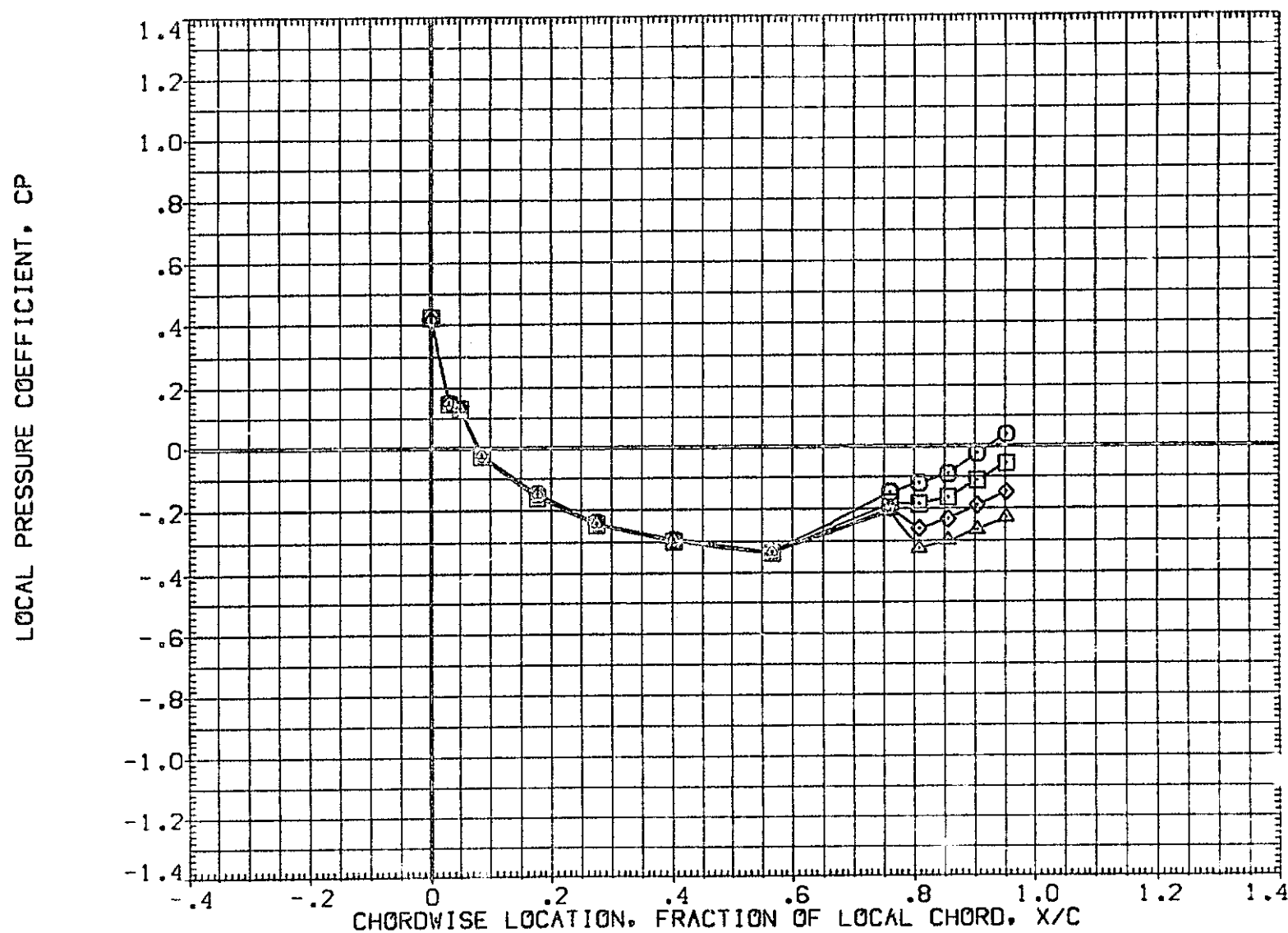


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE

ELV-1	ELV-2	ELV-3	ELV-4
.000	.000	.000	.000
4.000	4.000	4.000	4.000
8.000	8.000	8.000	8.000
8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

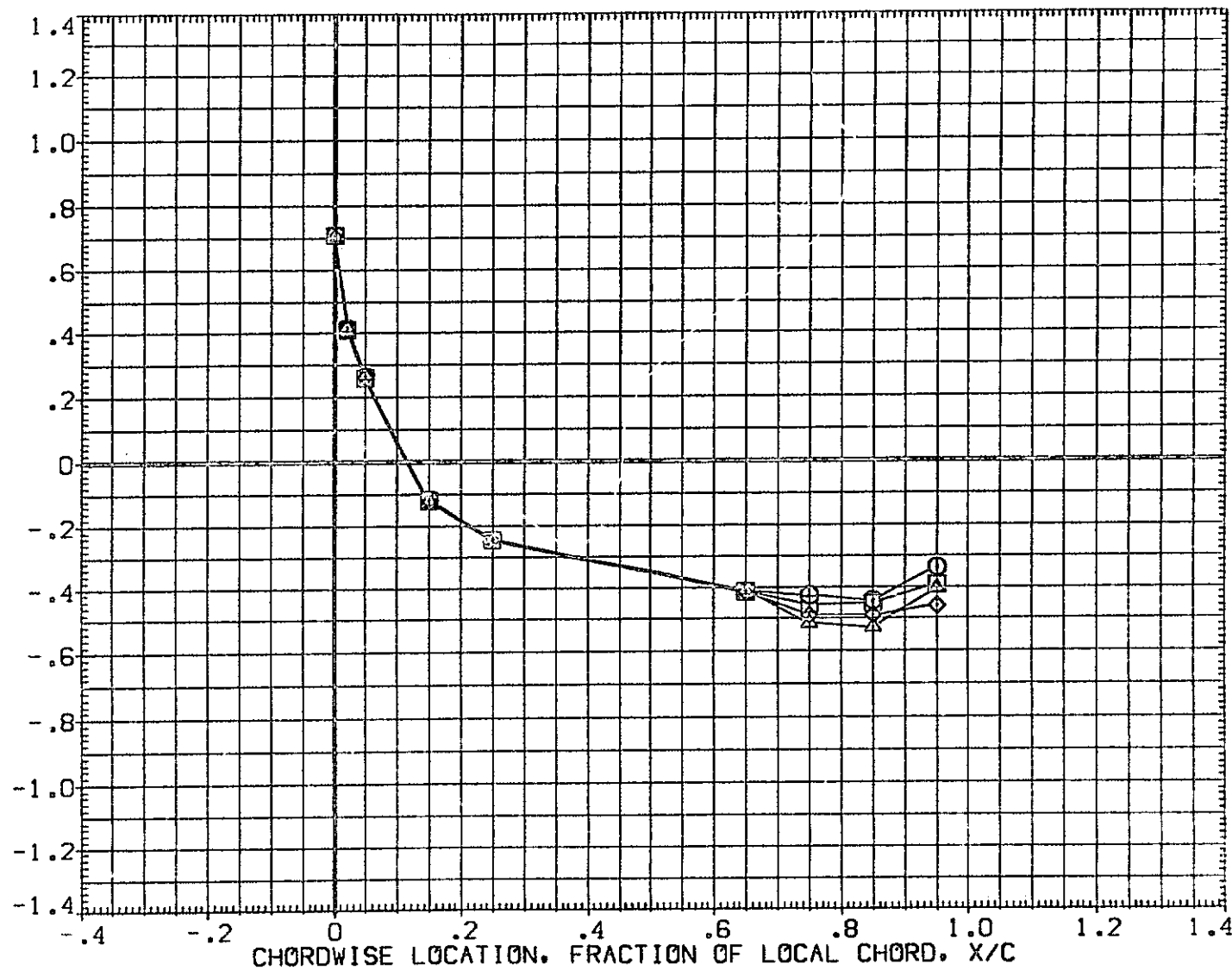


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 2.000 2Y/B = .771 PAGE 478

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	IA70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

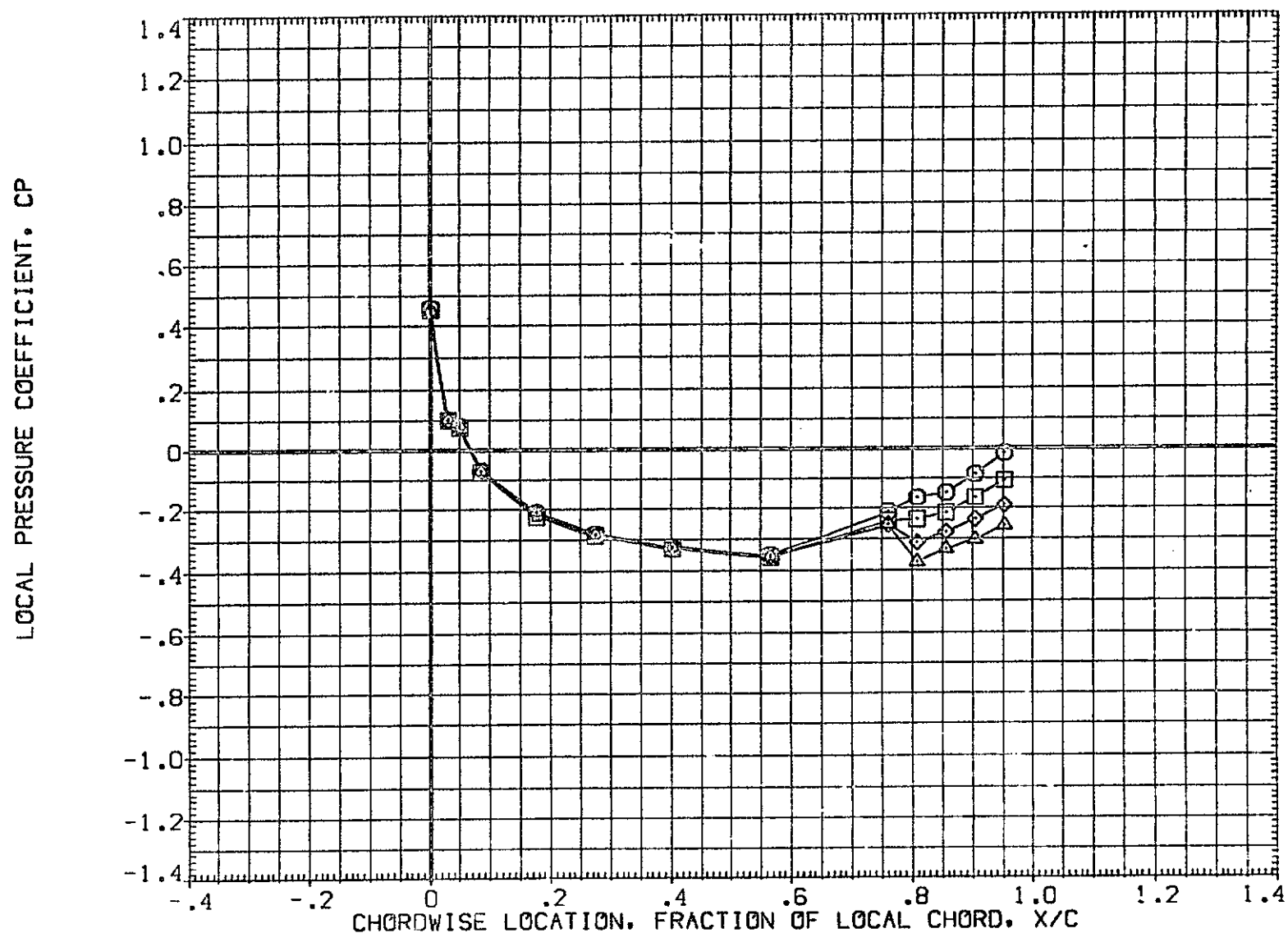


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 4.000 2Y/B = .436 PAGE 479

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	1.000	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

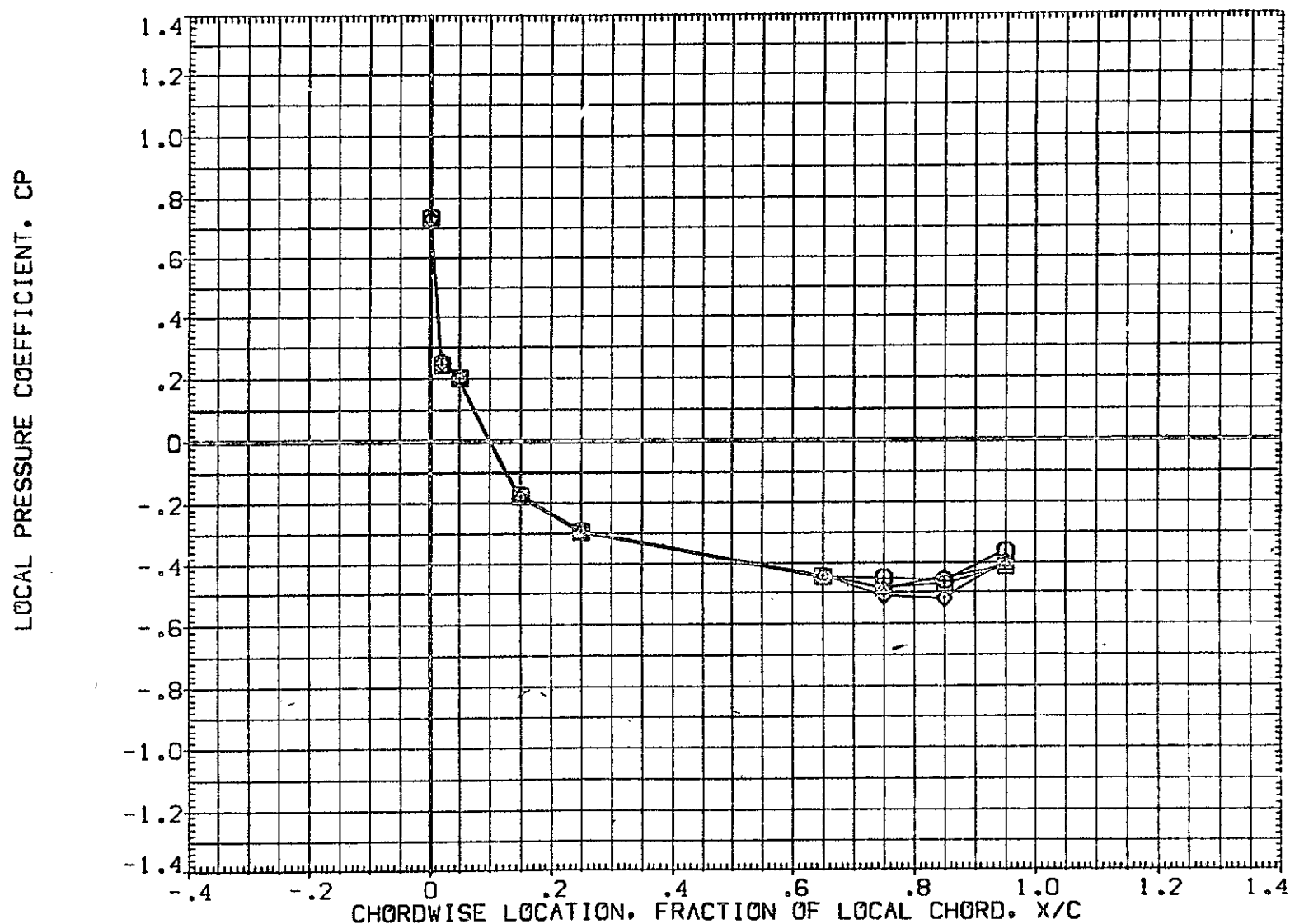


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 4.000 2Y/B = .771 PAGE 480

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	.000	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	4.000	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8 WING UPPER SURFACE	8.000	12.000	12.000	12.000

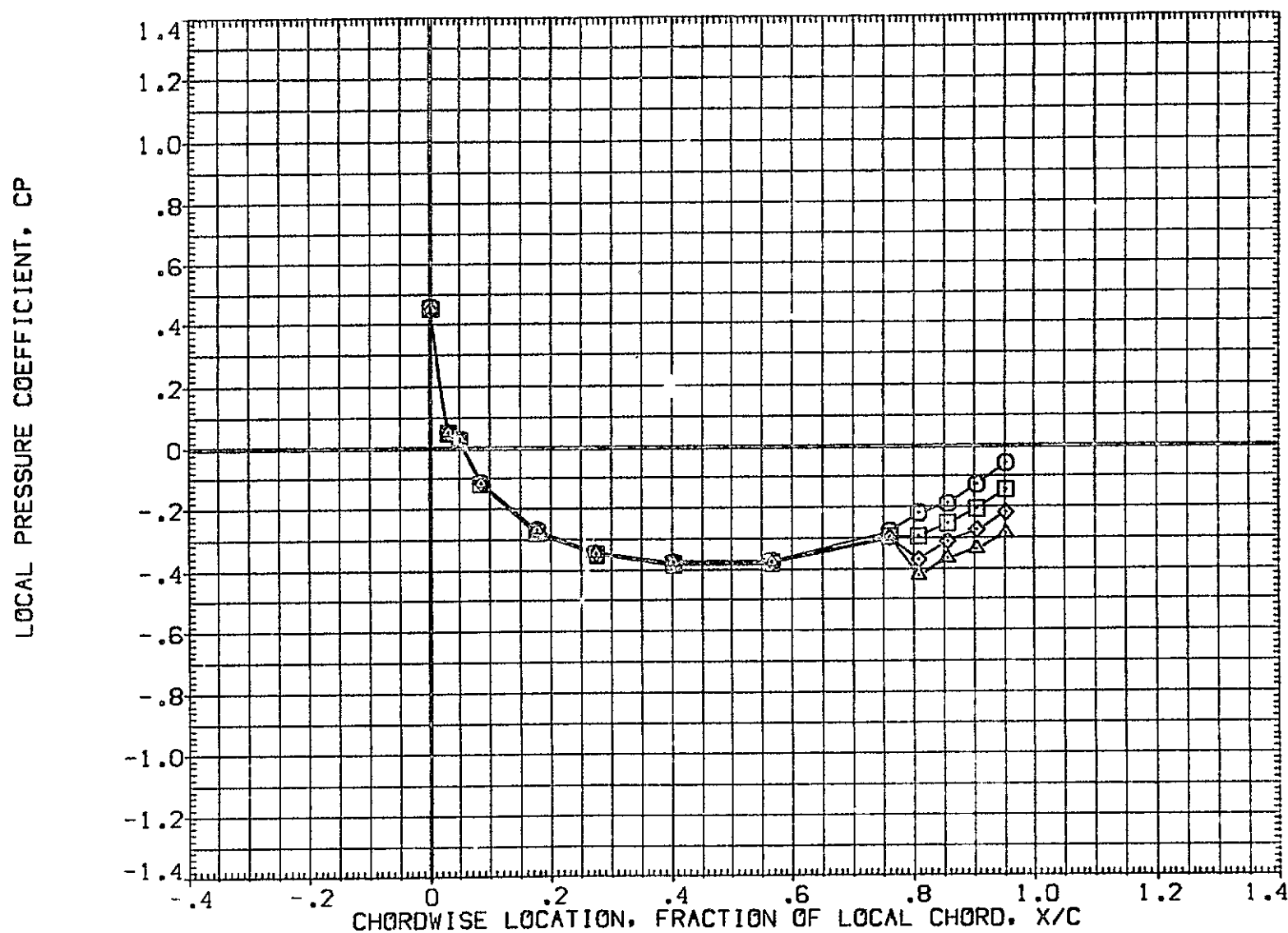


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	IA70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

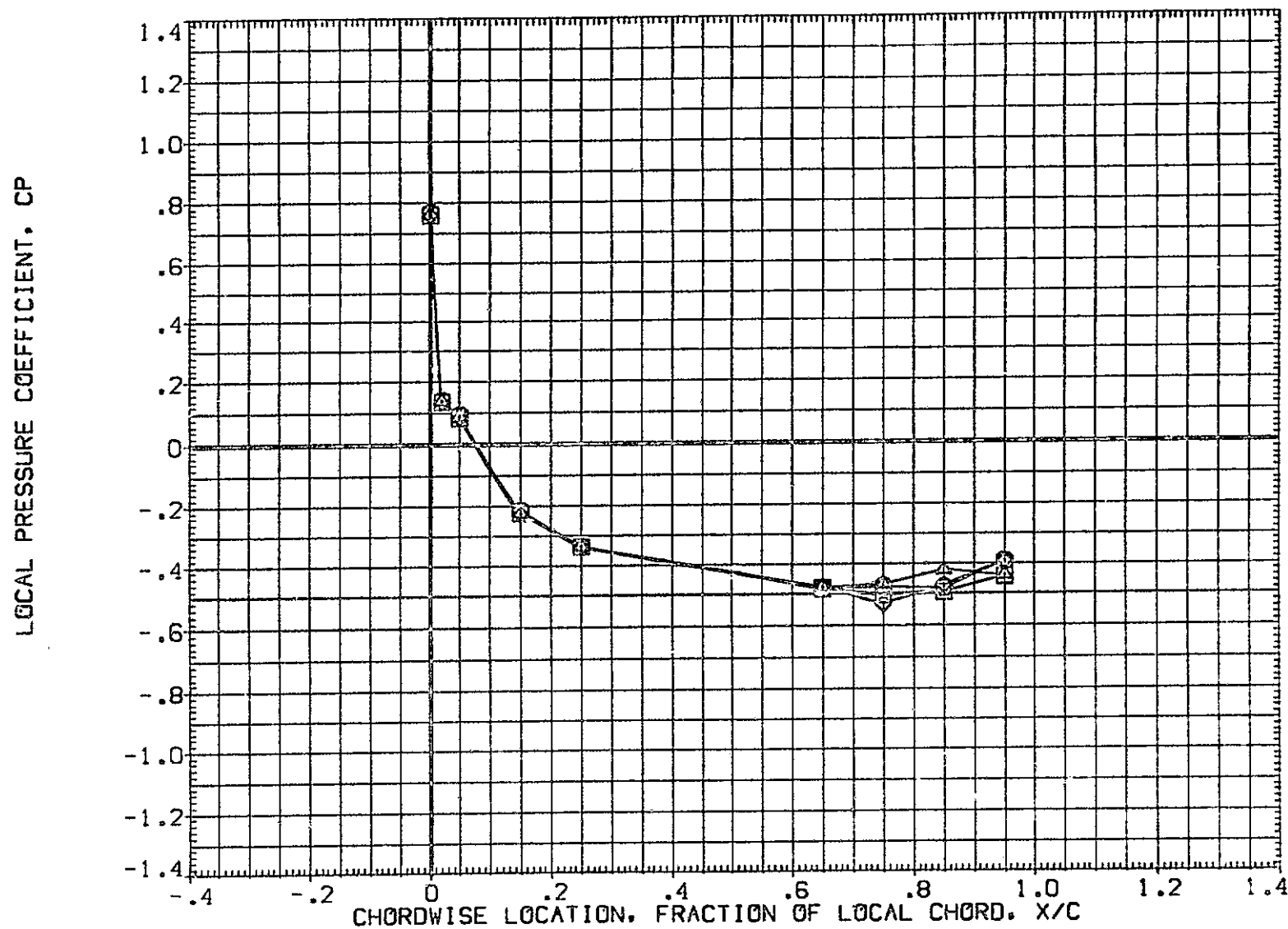


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 6.000 2Y/B = .771 PAGE 482

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7U44)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
(AF7U49)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
(AF7U54)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
(AF7U59)	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

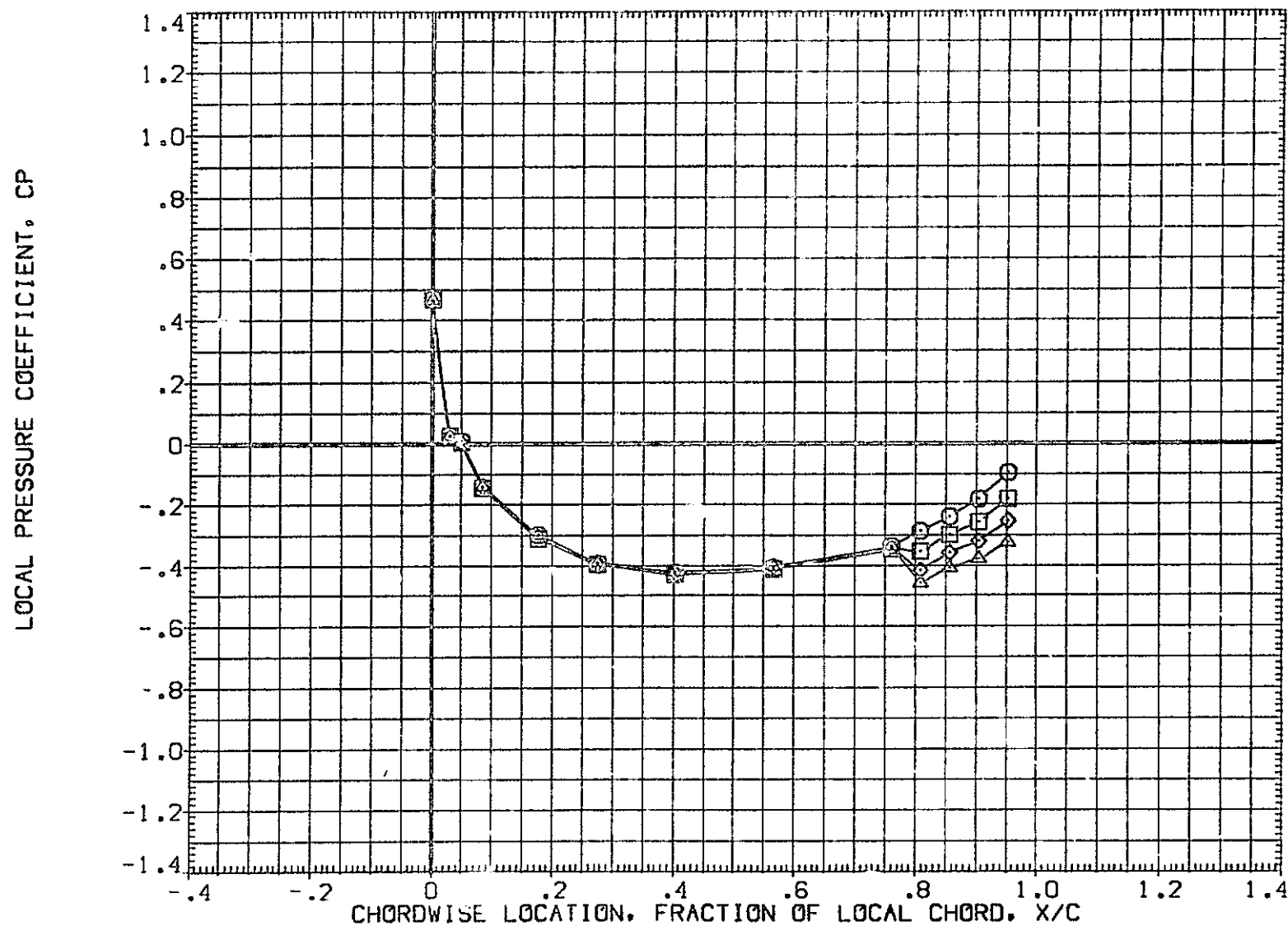


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 8.000 2Y/B = .436 PAGE 483

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7U44]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	.000	.000	.000
[AF7U49]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	4.000	4.000	4.000
[AF7U54]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	8.000	8.000
[AF7U59]	1A70 01 T12 S1 P2 P8	WING UPPER SURFACE	8.000	12.000	12.000

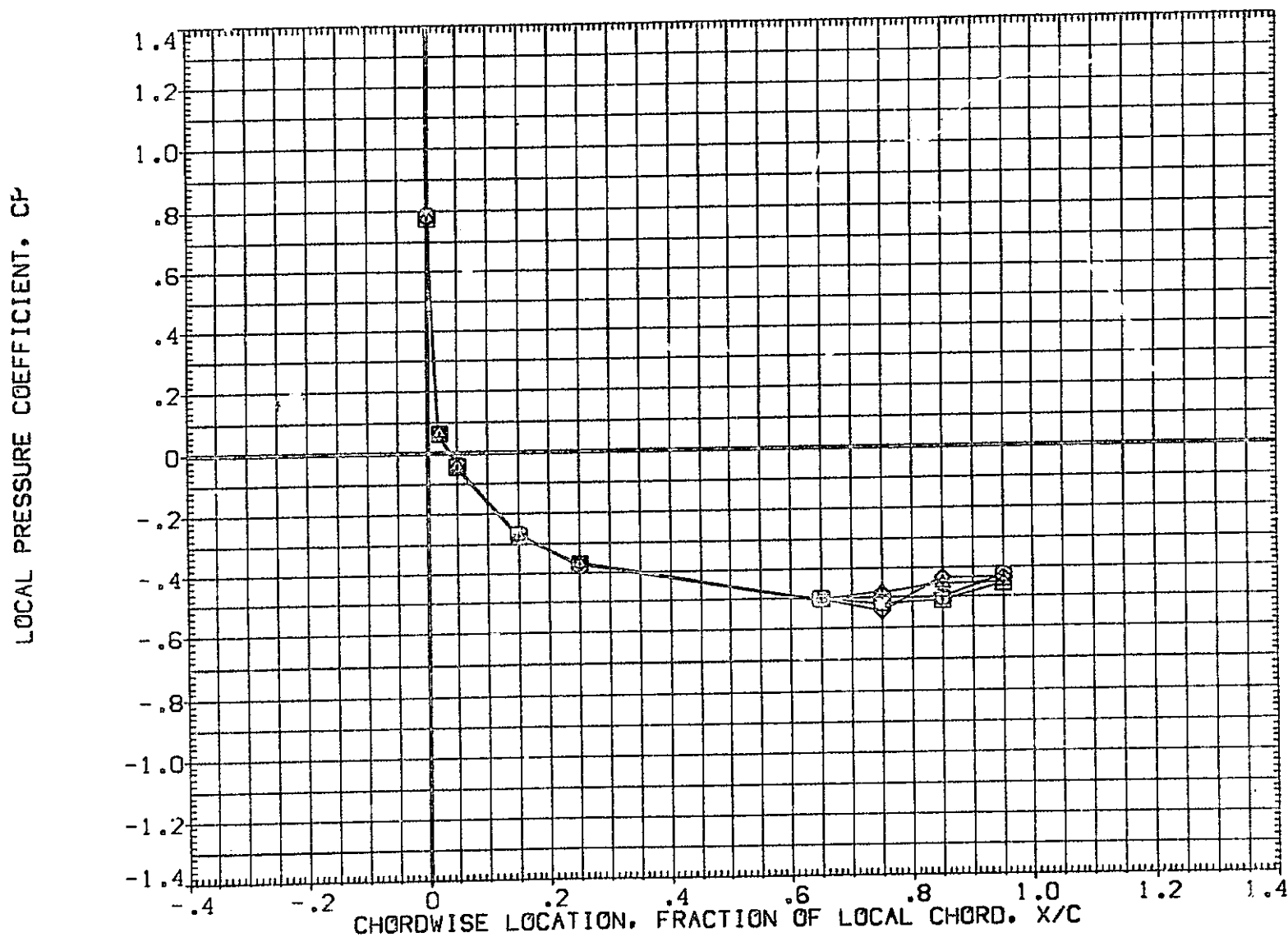


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, $\beta = 4$
MACH = 1.500 ALPHA = 8.000 $2Y/B = .771$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

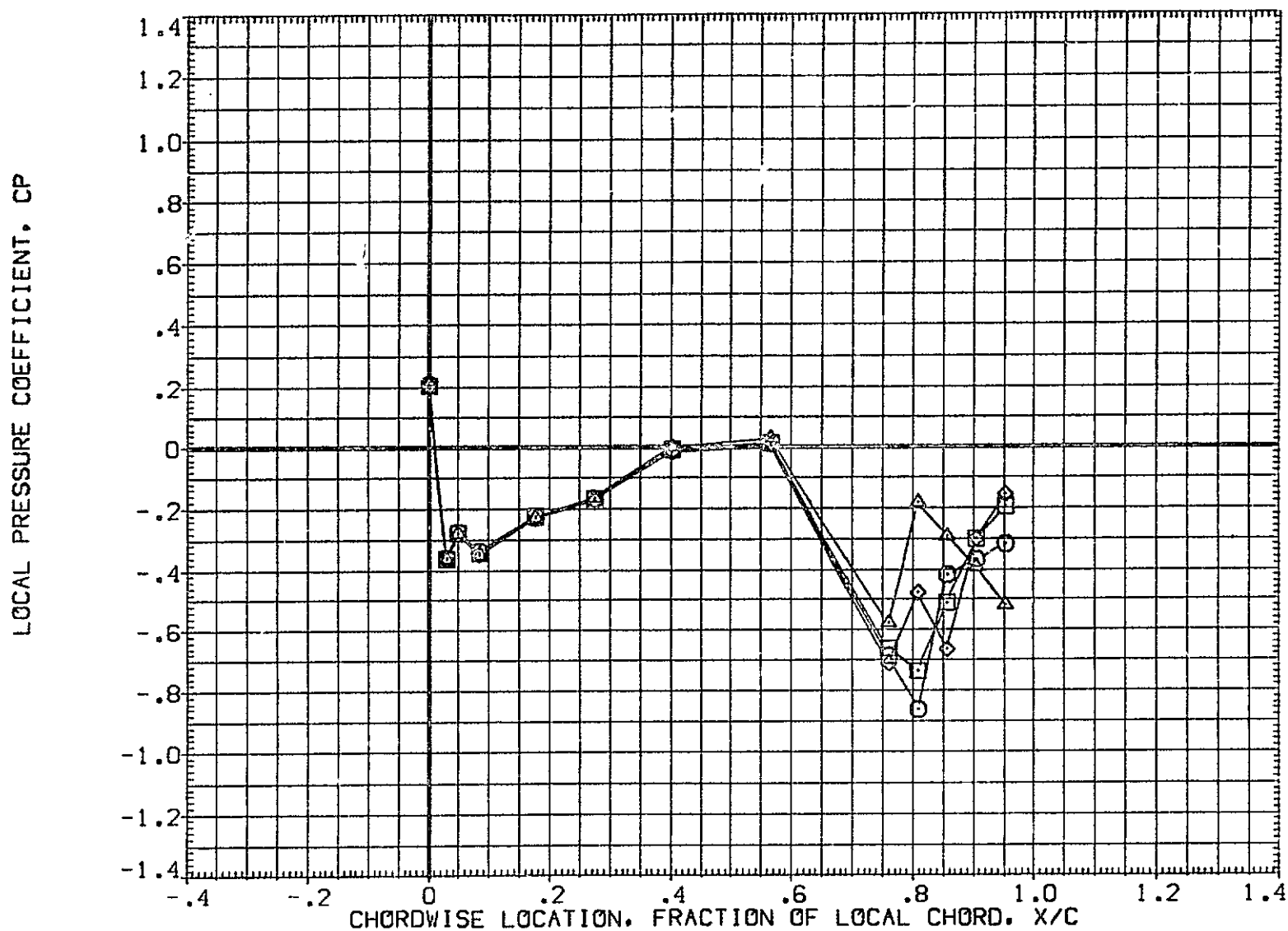


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE	0.000	12.000	12.000	12.000

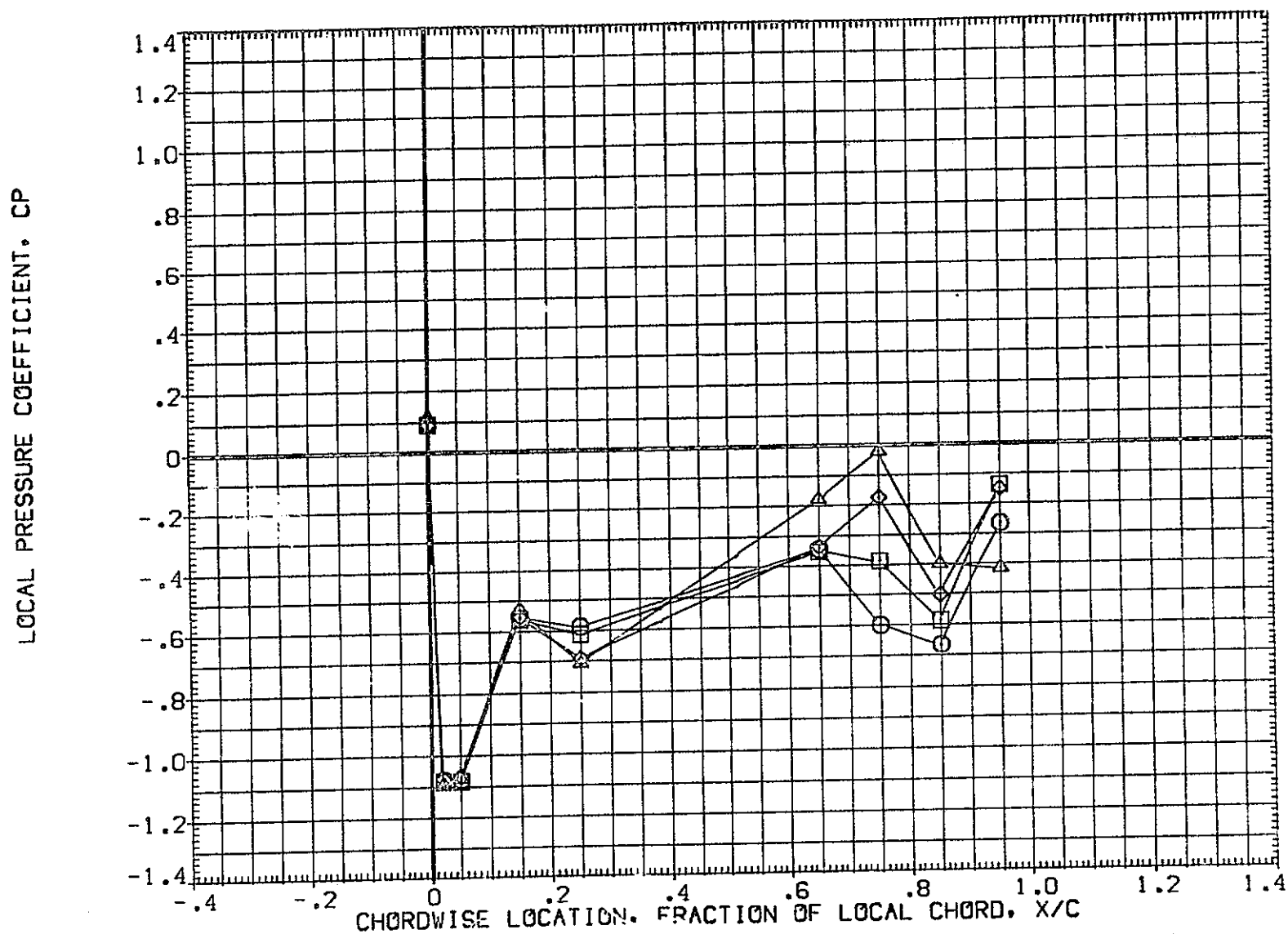


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -8.000 2Y/B = .771 PAGE 486

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

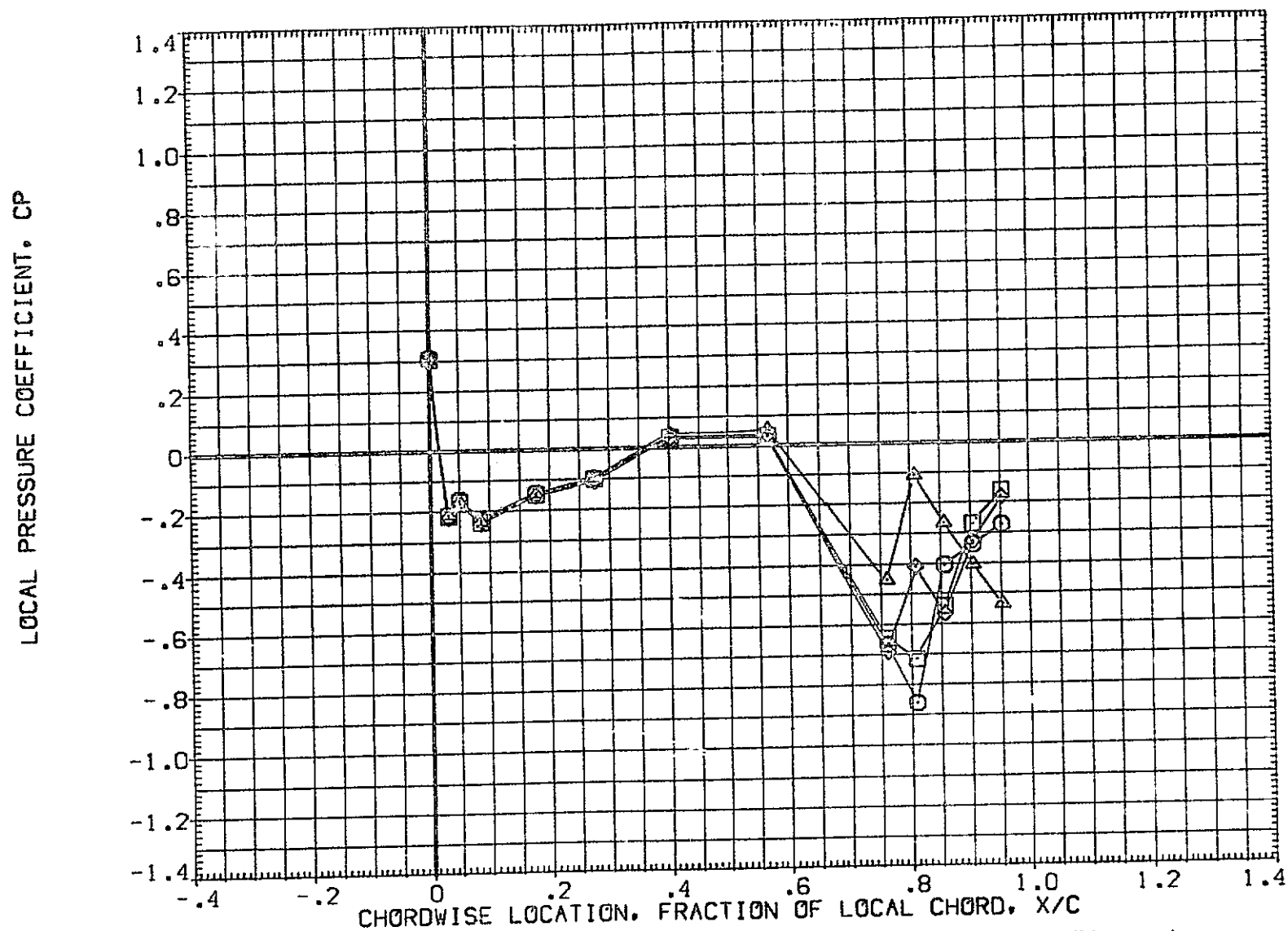


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

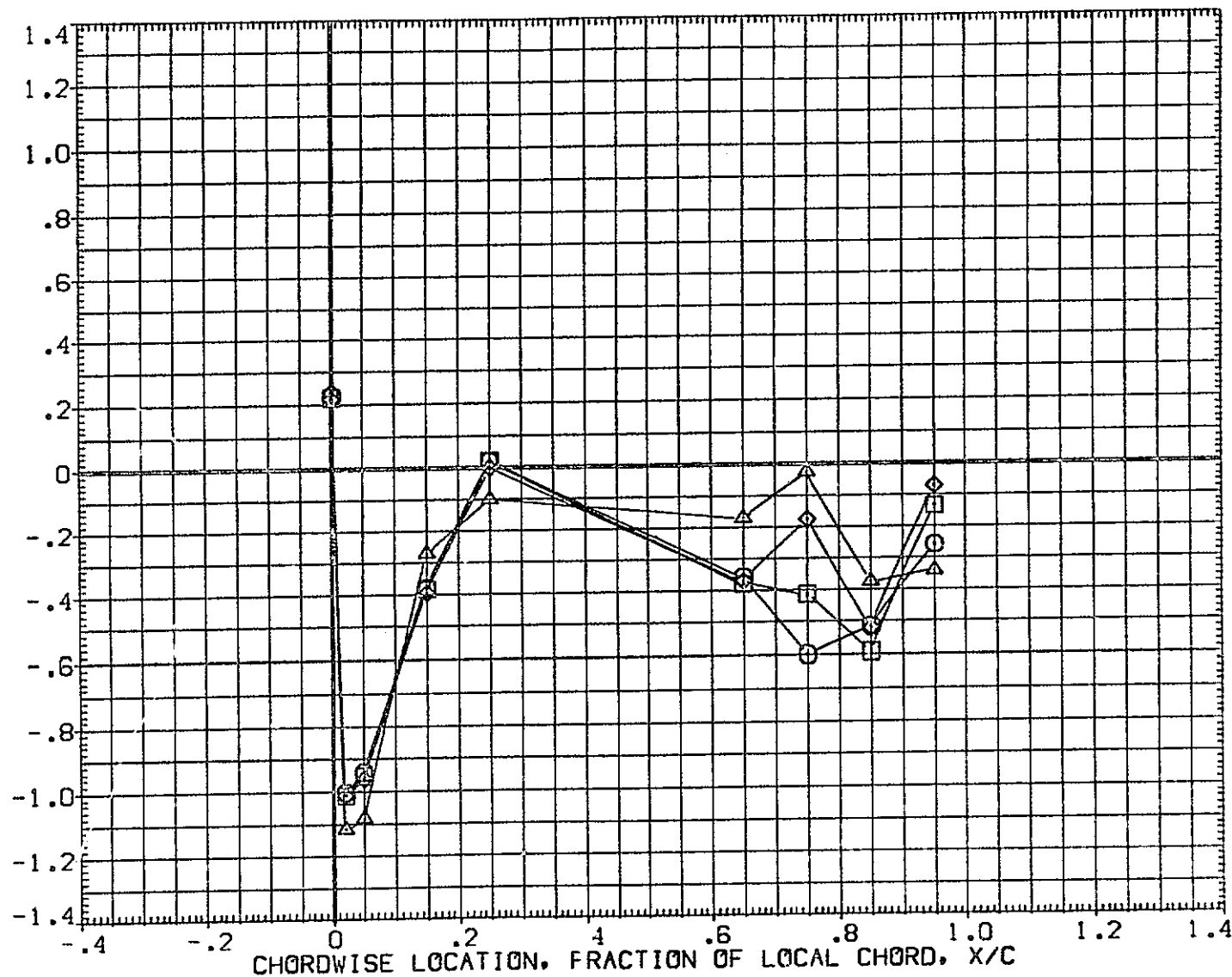


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -6.000 2Y/B = .771

PAGE 488

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L55)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

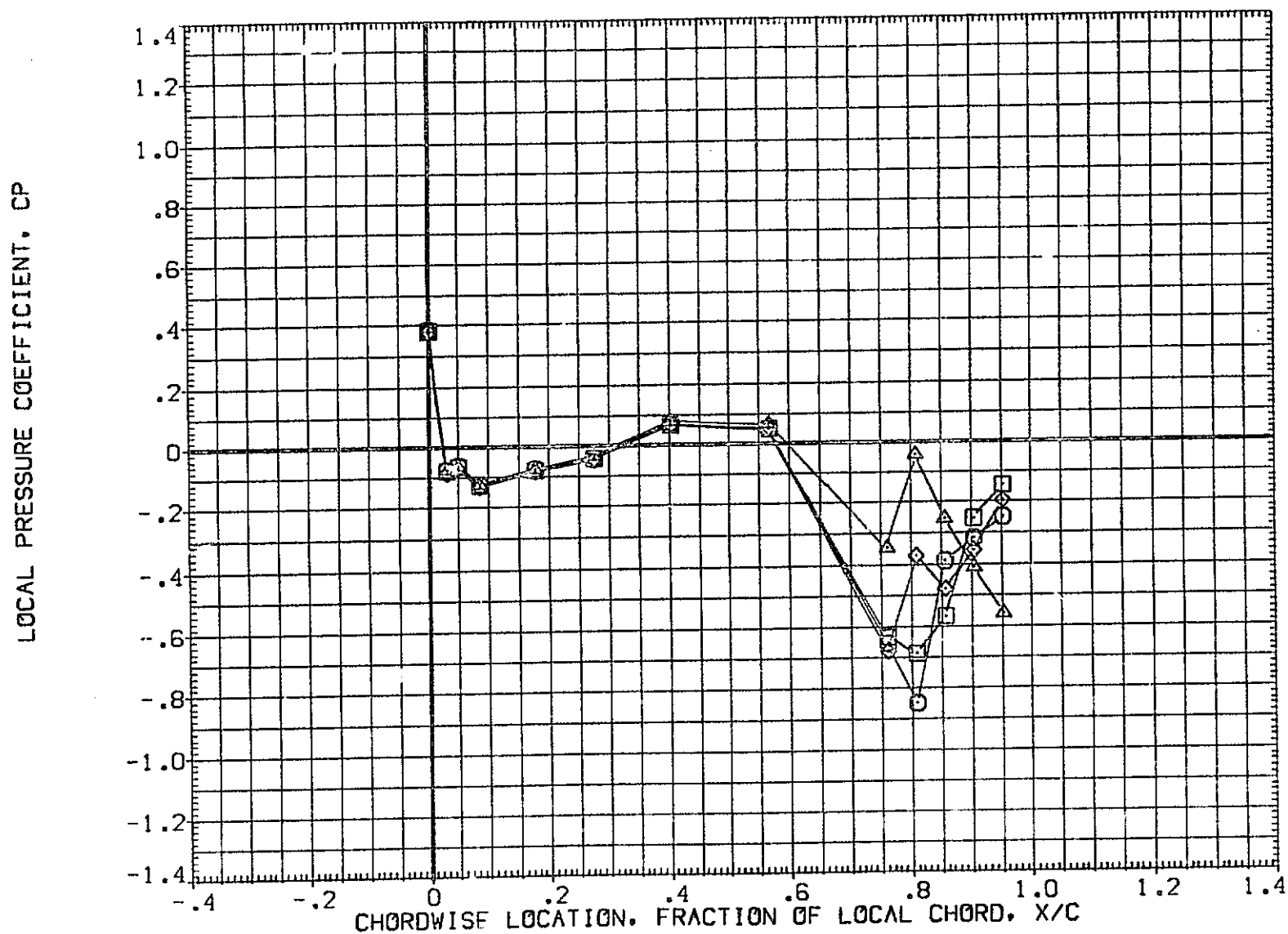


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -4.000 2Y/B = .436

PAGE 489

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

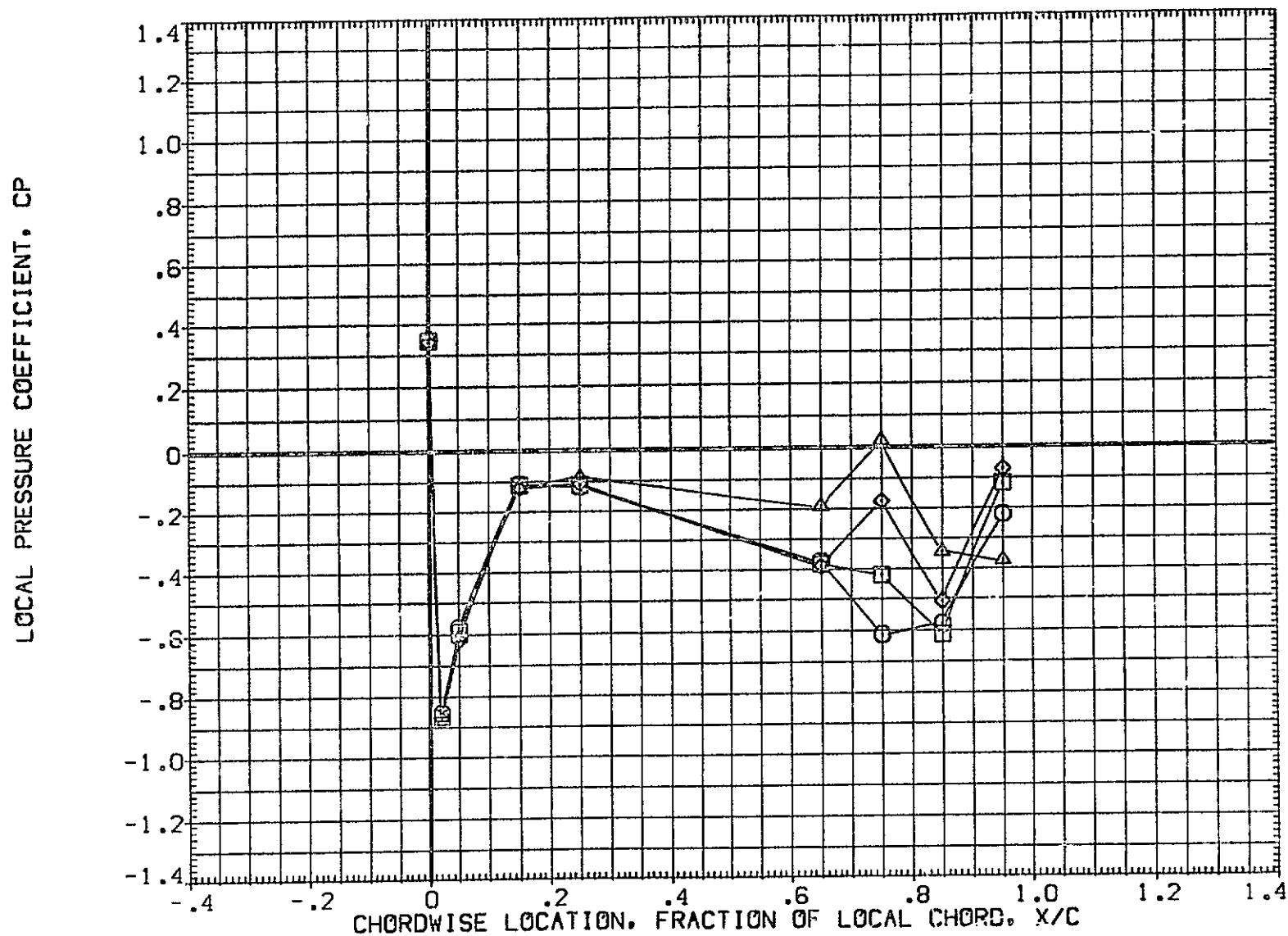


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -4.000 2Y/B = .771 PAGE 490

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

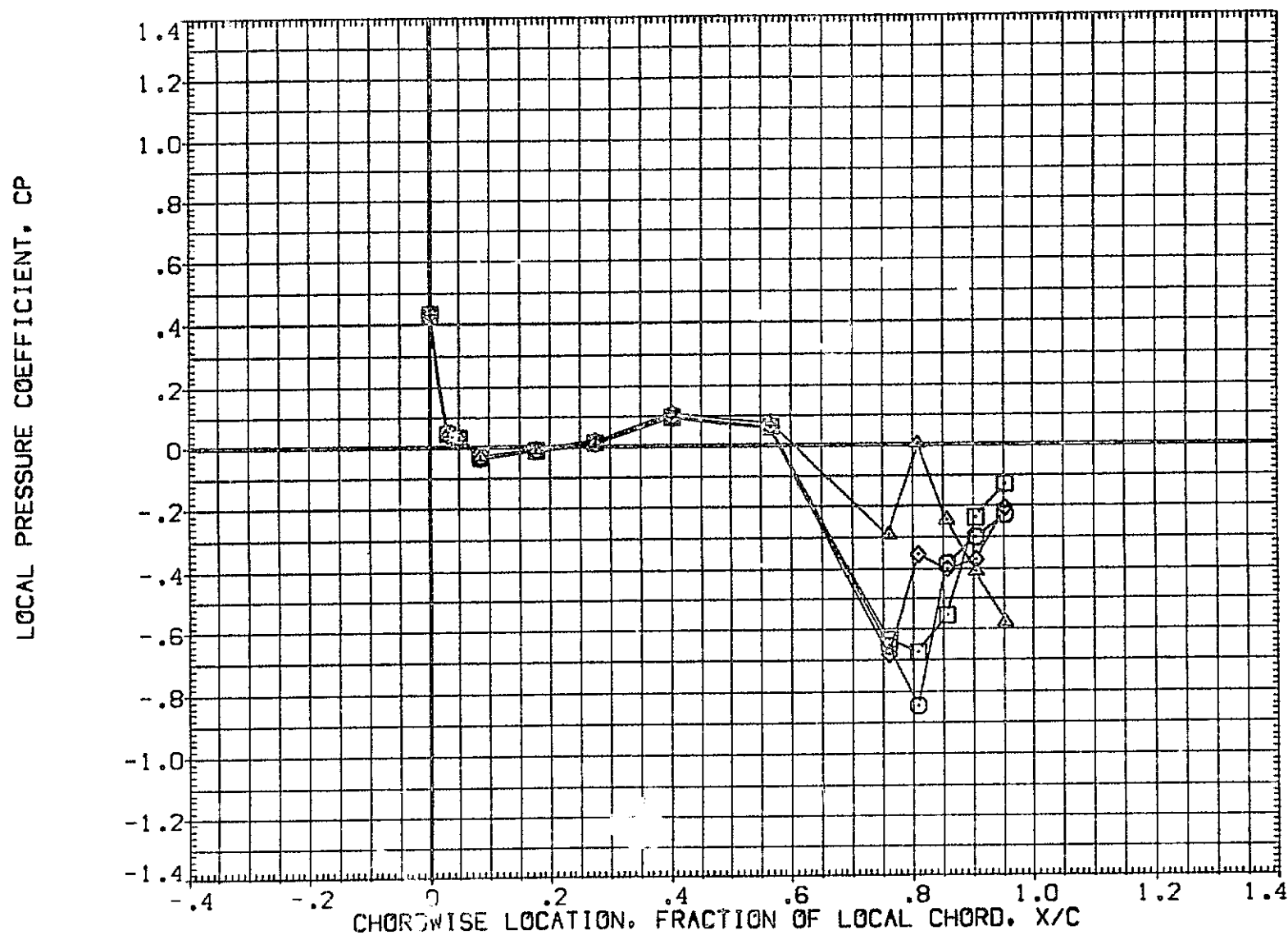


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -2.000 2Y/B = .436 PAGE 491

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

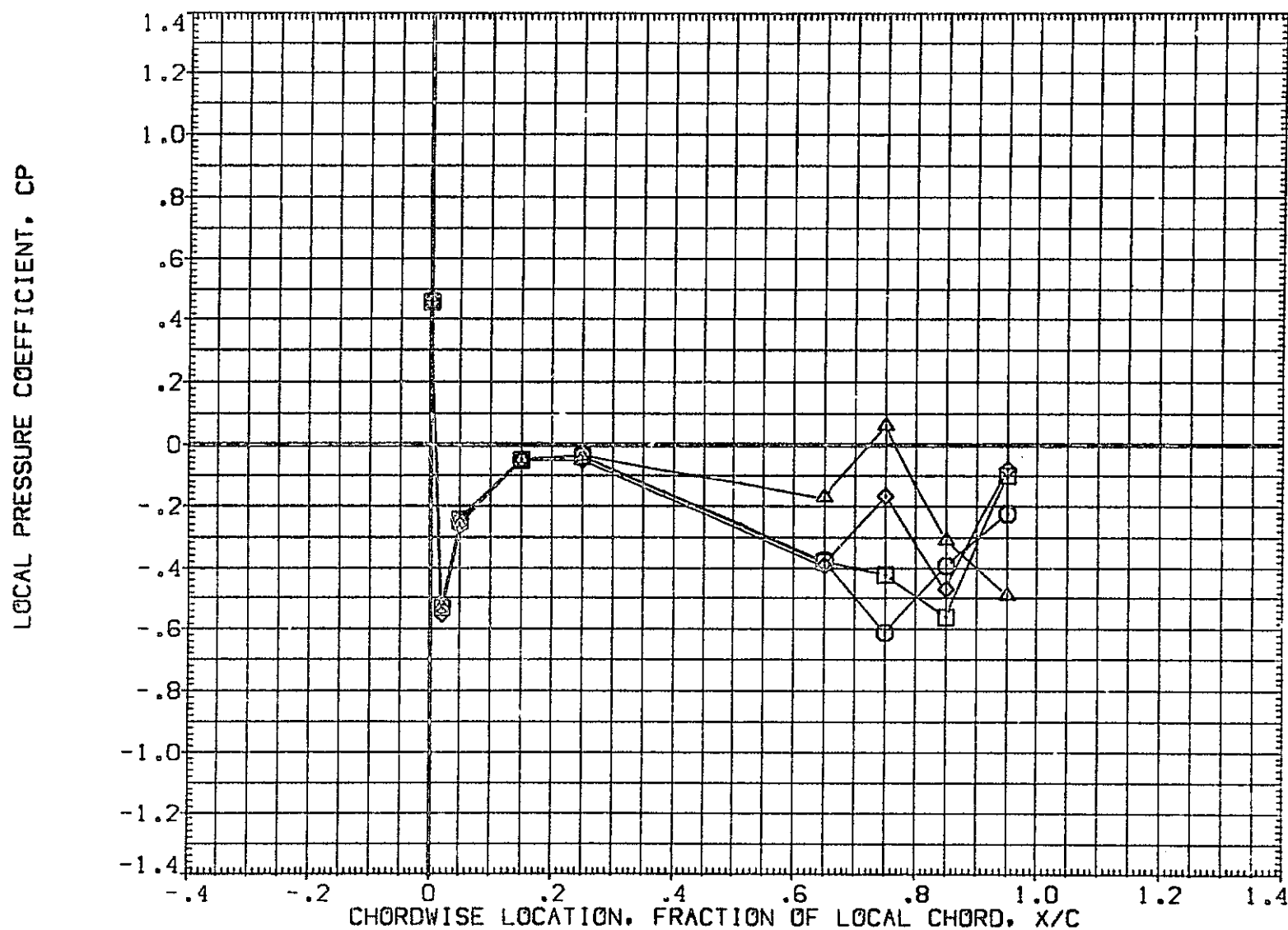


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -2.000 2Y/B = .771 PAGE 492

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

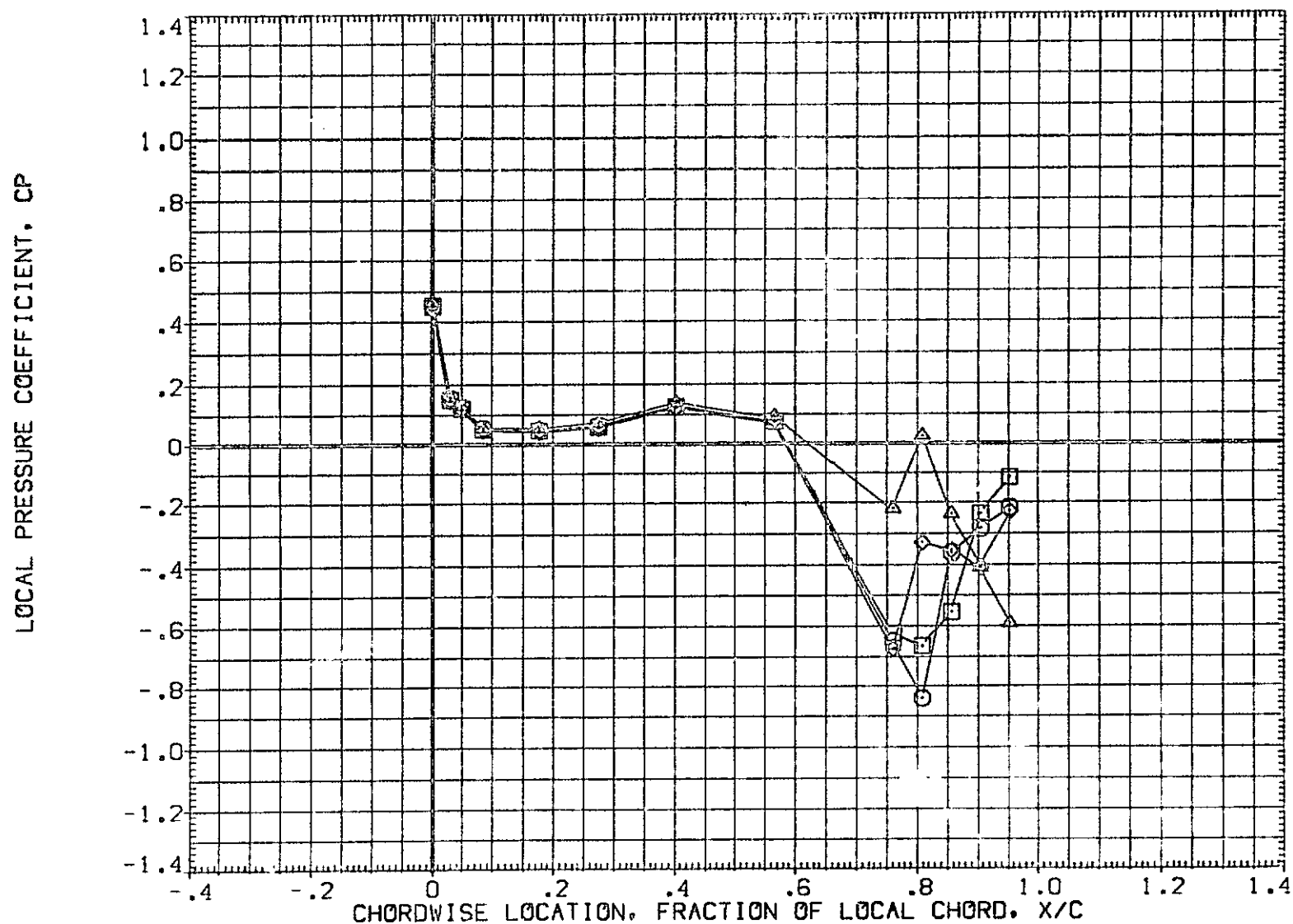


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = .000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION				DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4	
{AF7L44}	○	A70	01	T12	S1	P2 P8	WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	□	A70	01	T12	S1	P2 P8	WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	×	A70	01	T12	S1	P2 P8	WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	△	A70	01	T12	S1	P2 P8	WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

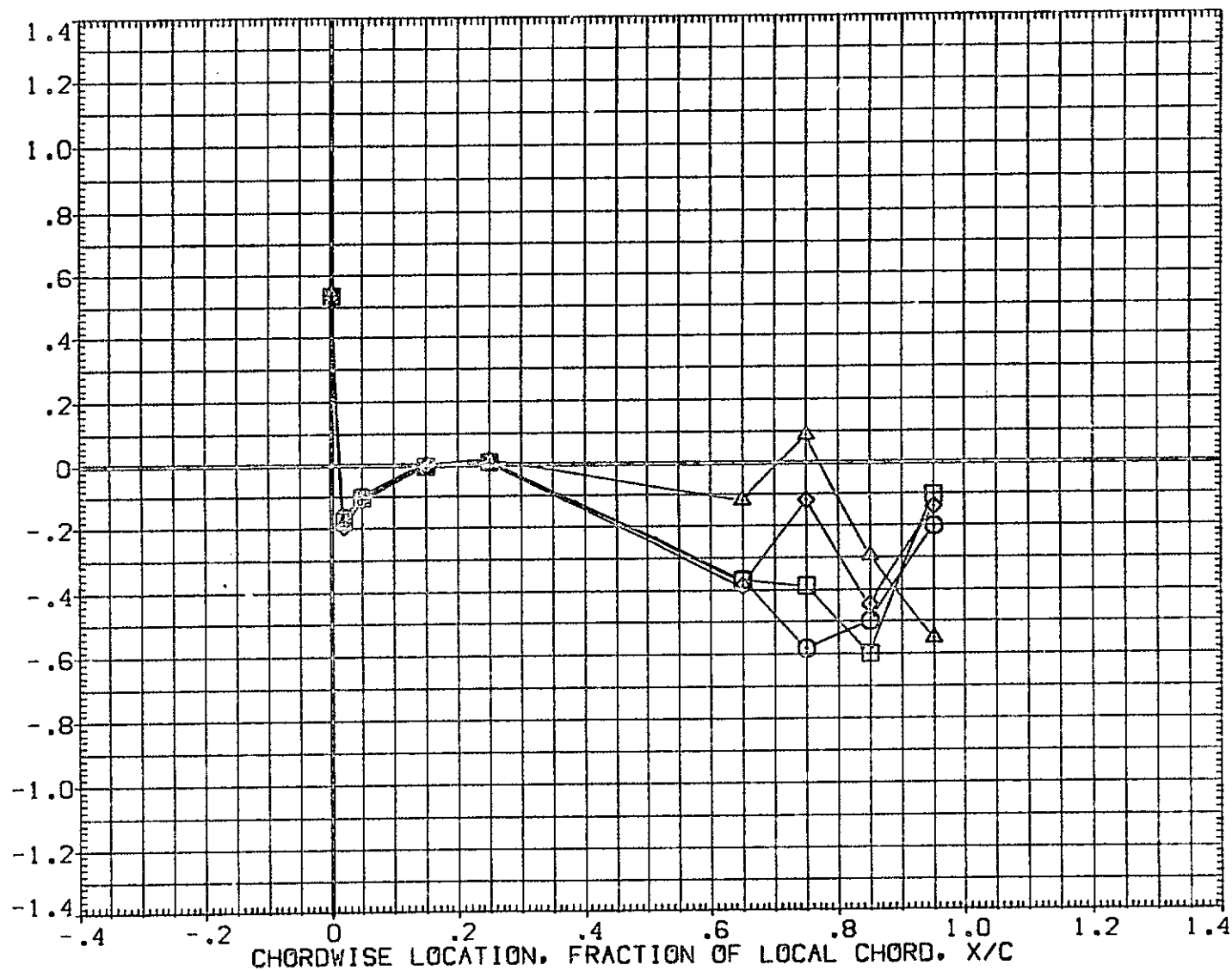


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = .000 2Y/B = .771 PAGE 494

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

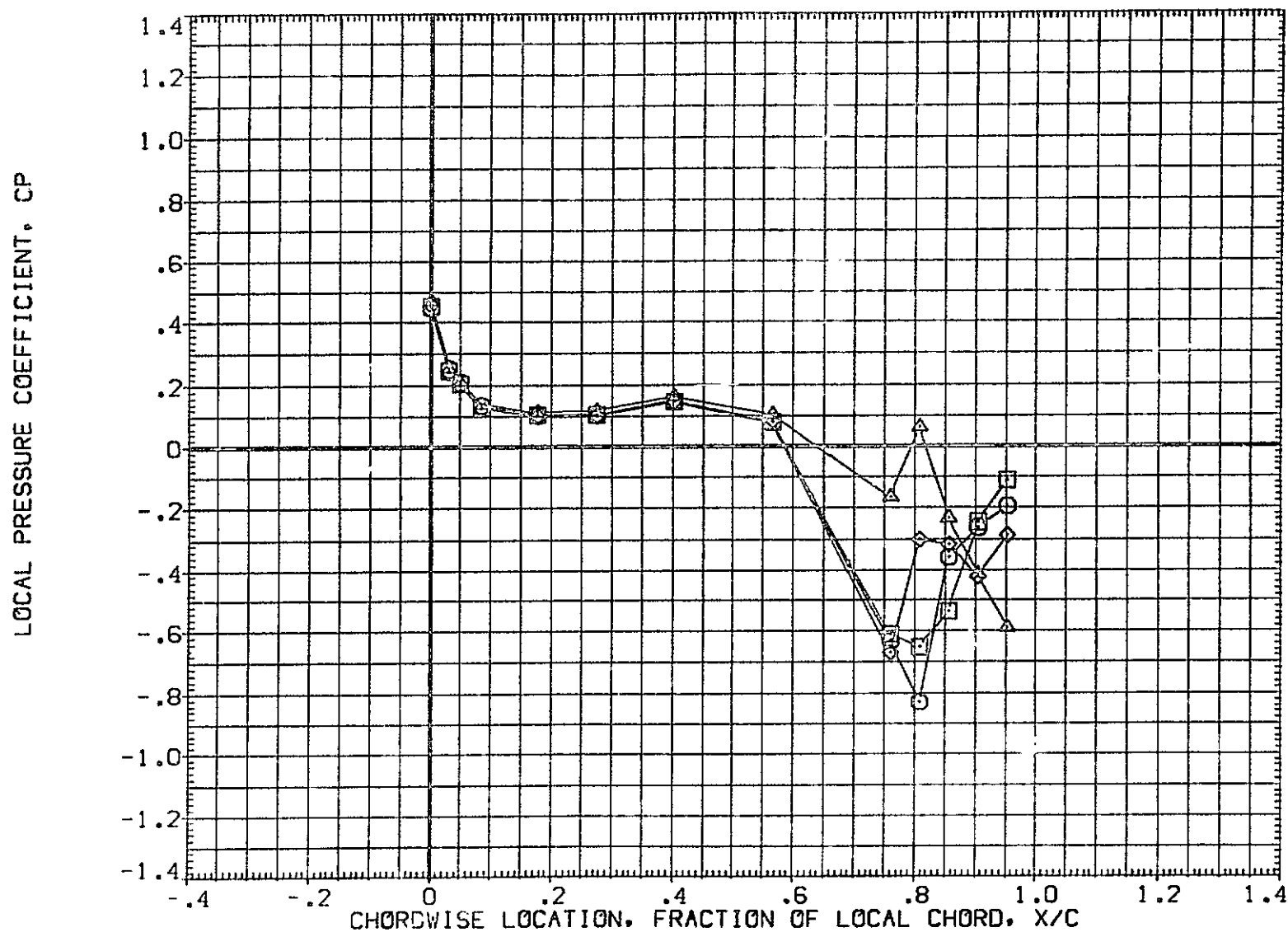


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 2.000 2Y/B = .436 PAGE 495

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

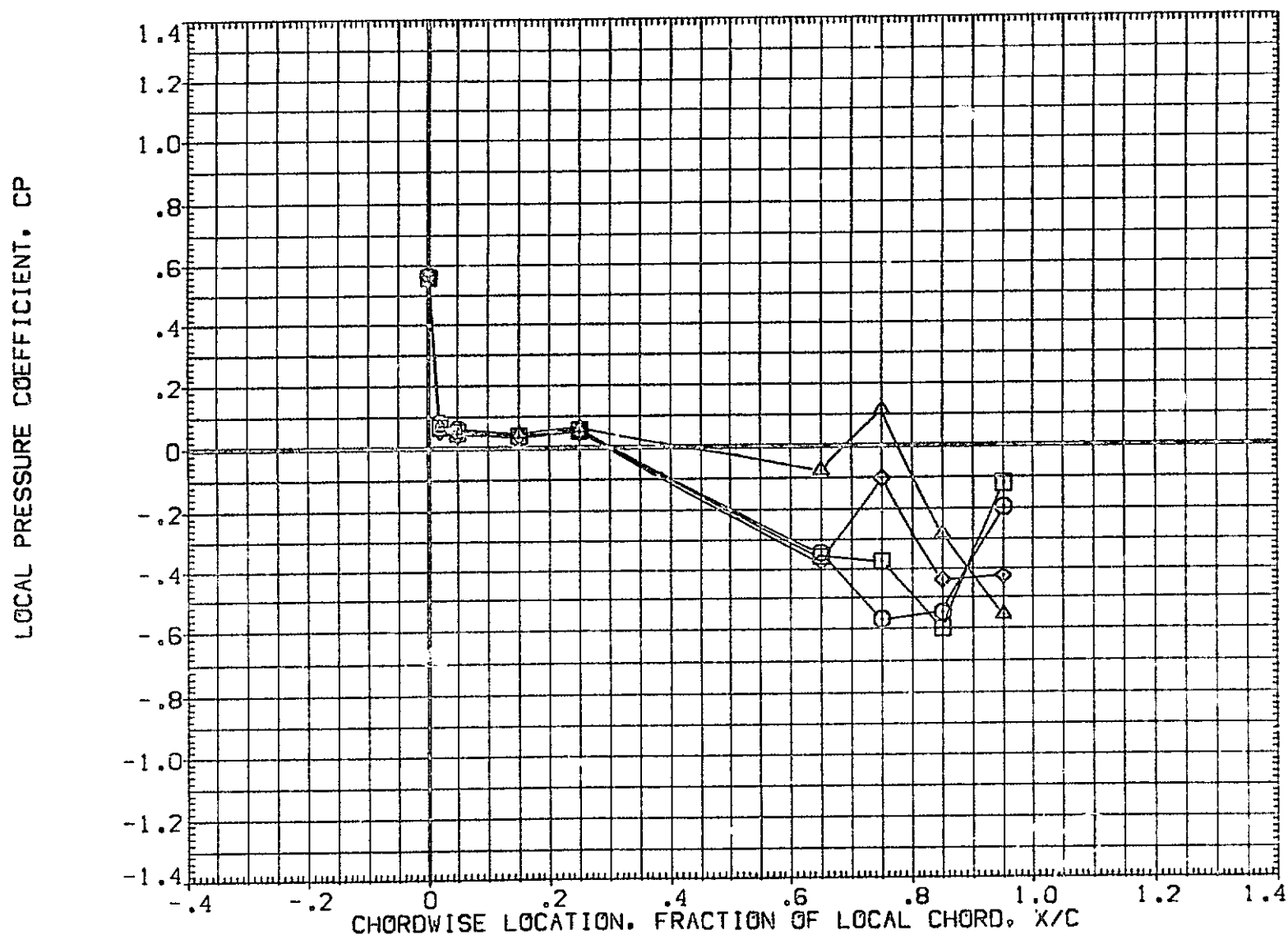


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 2.000 2Y/B = .771 PAGE 496

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P3 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

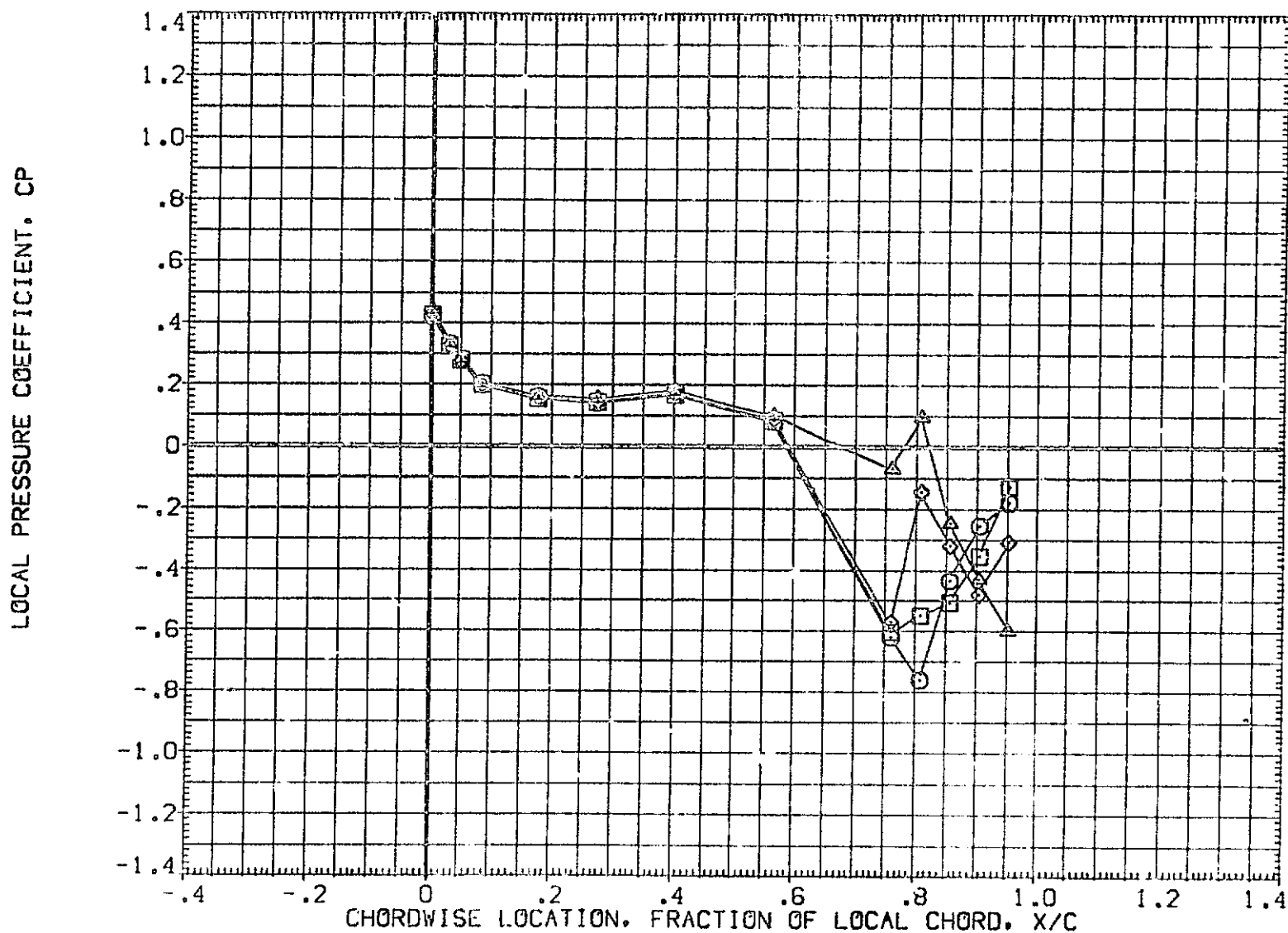


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 4.000 2Y/B = .436 PAGE 497

DATA SET SYMBO	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

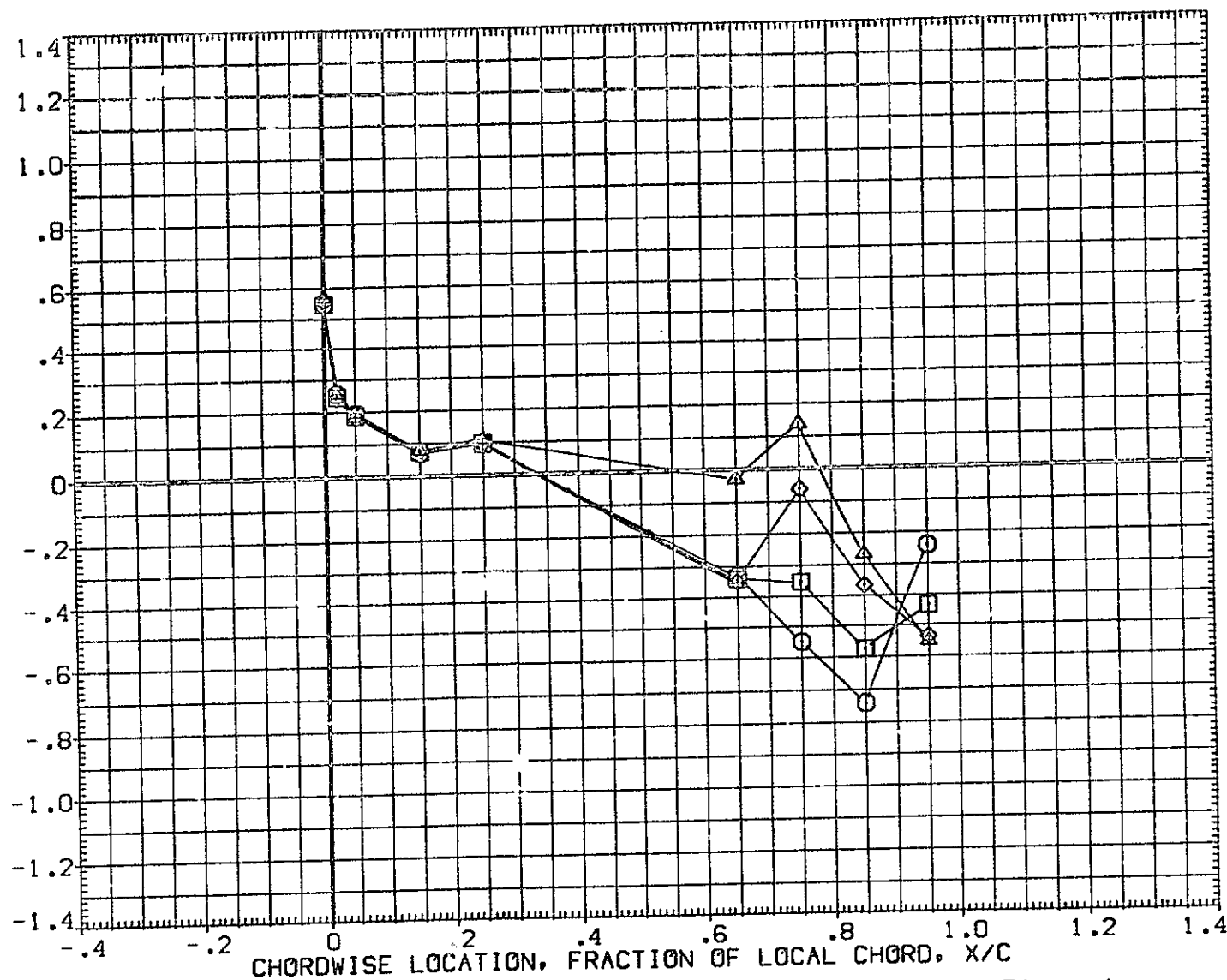


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 4.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	○	1A70 01 112 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L45]	□	1A70 01 112 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	◇	1A70 01 112 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	△	1A70 01 112 S1 P2 P8 WING LOWER SURFACE	0.000	12.000	12.000	12.000

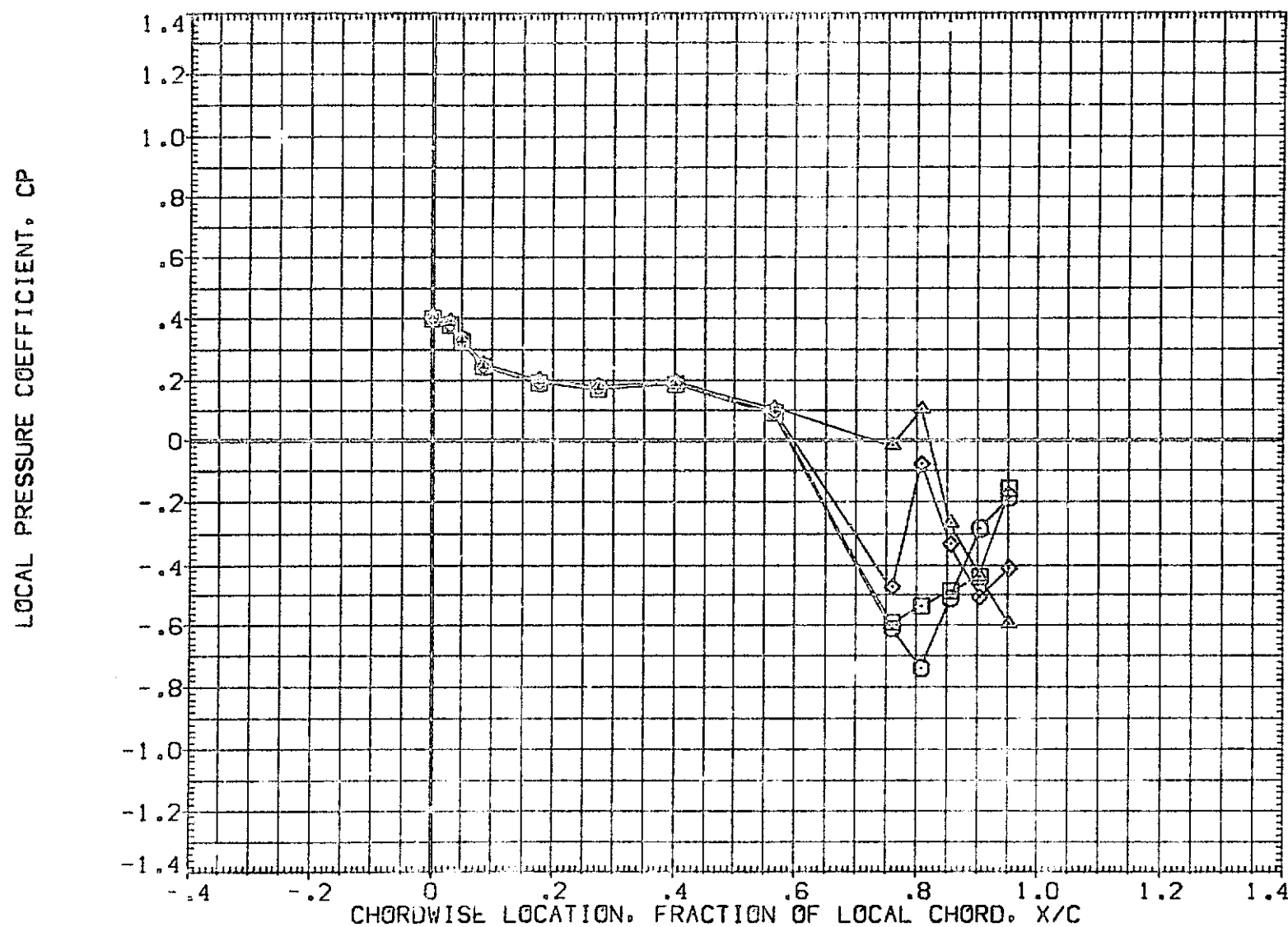


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 6.000 2Y/B = .436 PAGE 499

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000

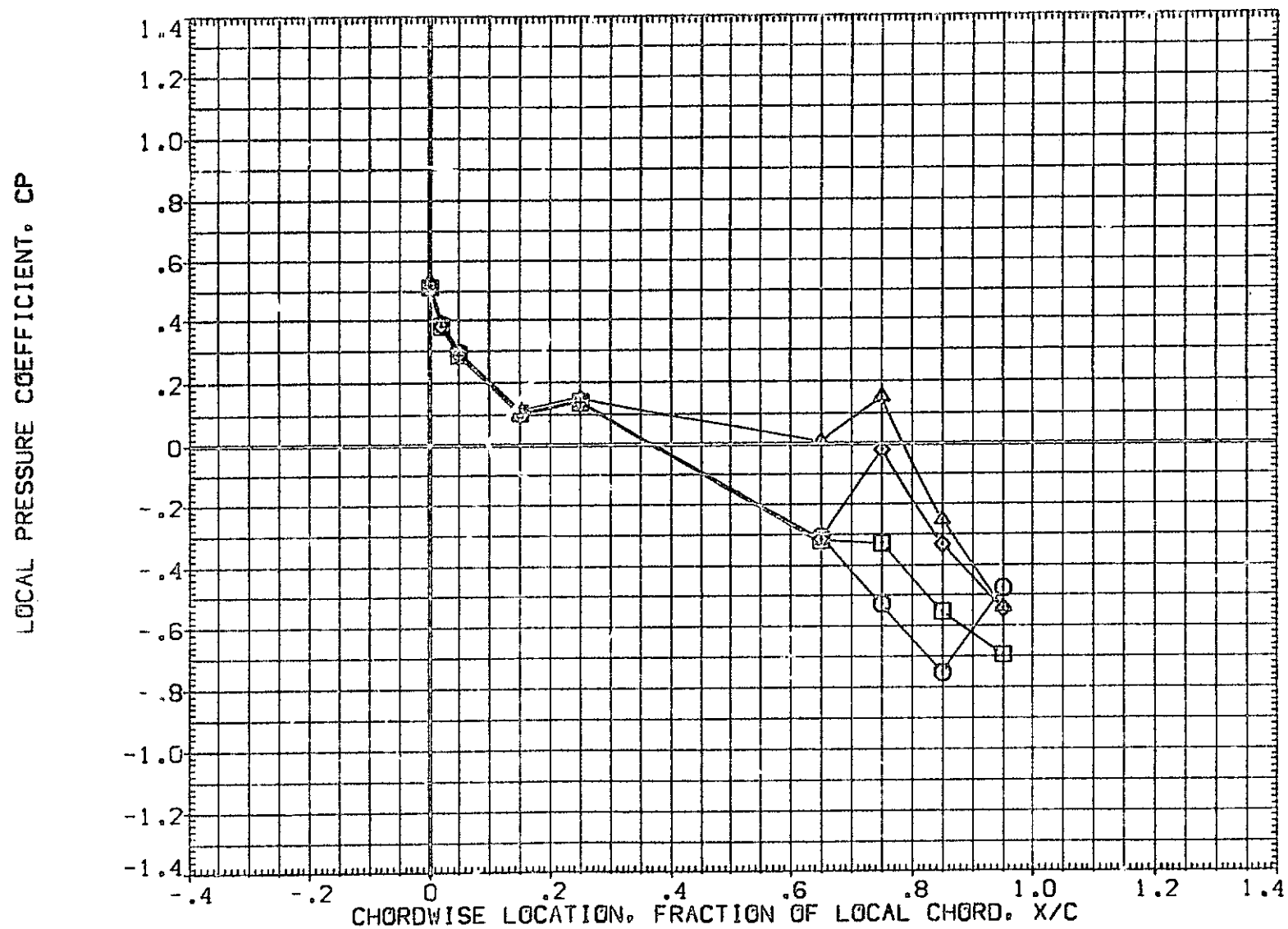


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 6.000 2Y/B = .771 PAGE 500

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

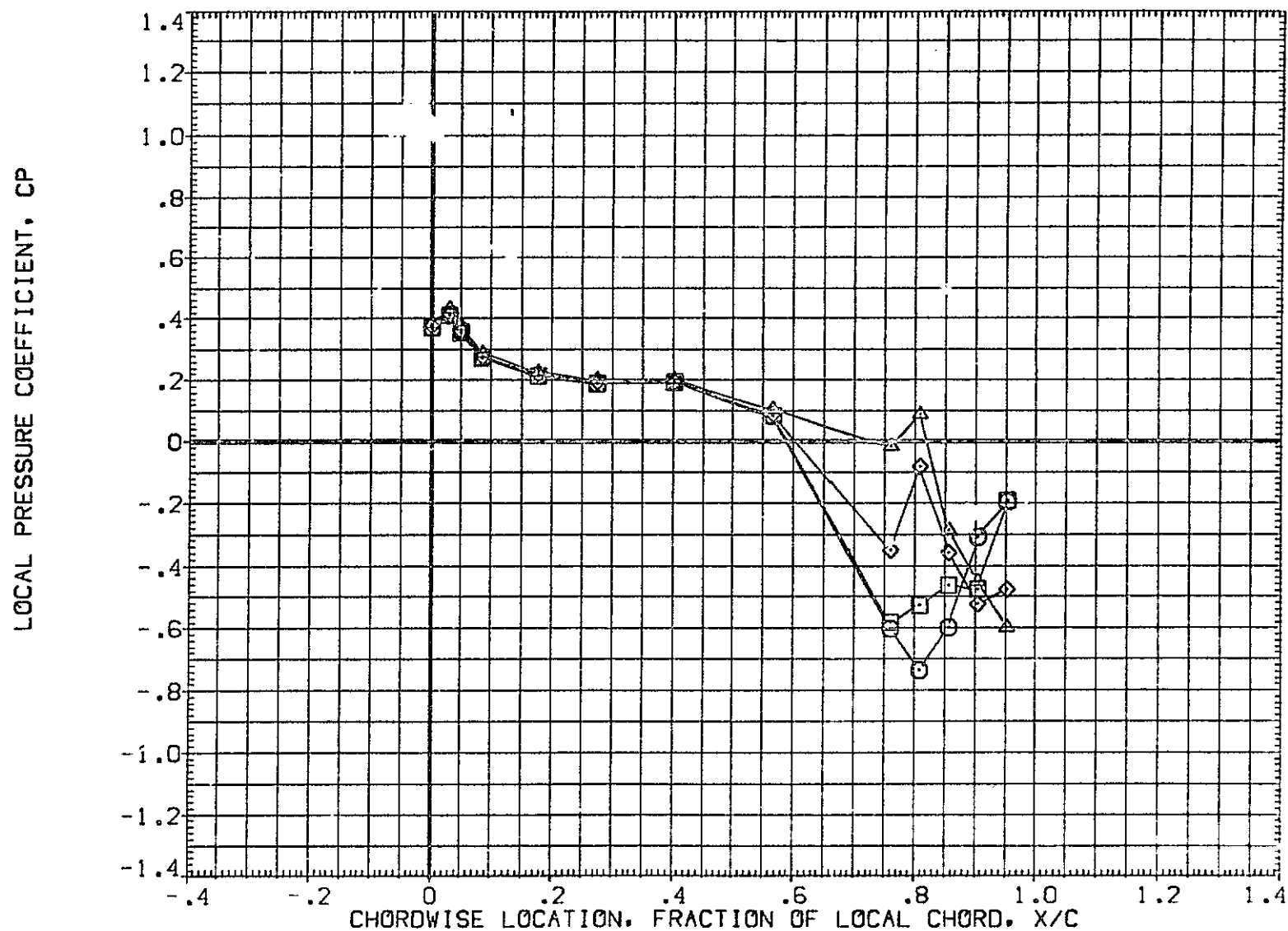


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 8.000 2Y/B = .436 PAGE 501

DATA SET	SYMBOL	CONFIGURATION				DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4	
(AF7L44)	○	1A70	01	T12	S1	P2 P8	WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	□	1A70	01	T12	S1	P2 P8	WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	◇	1A70	01	T12	S1	P2 P8	WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	△	1A70	01	T12	S1	P2 P8	WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

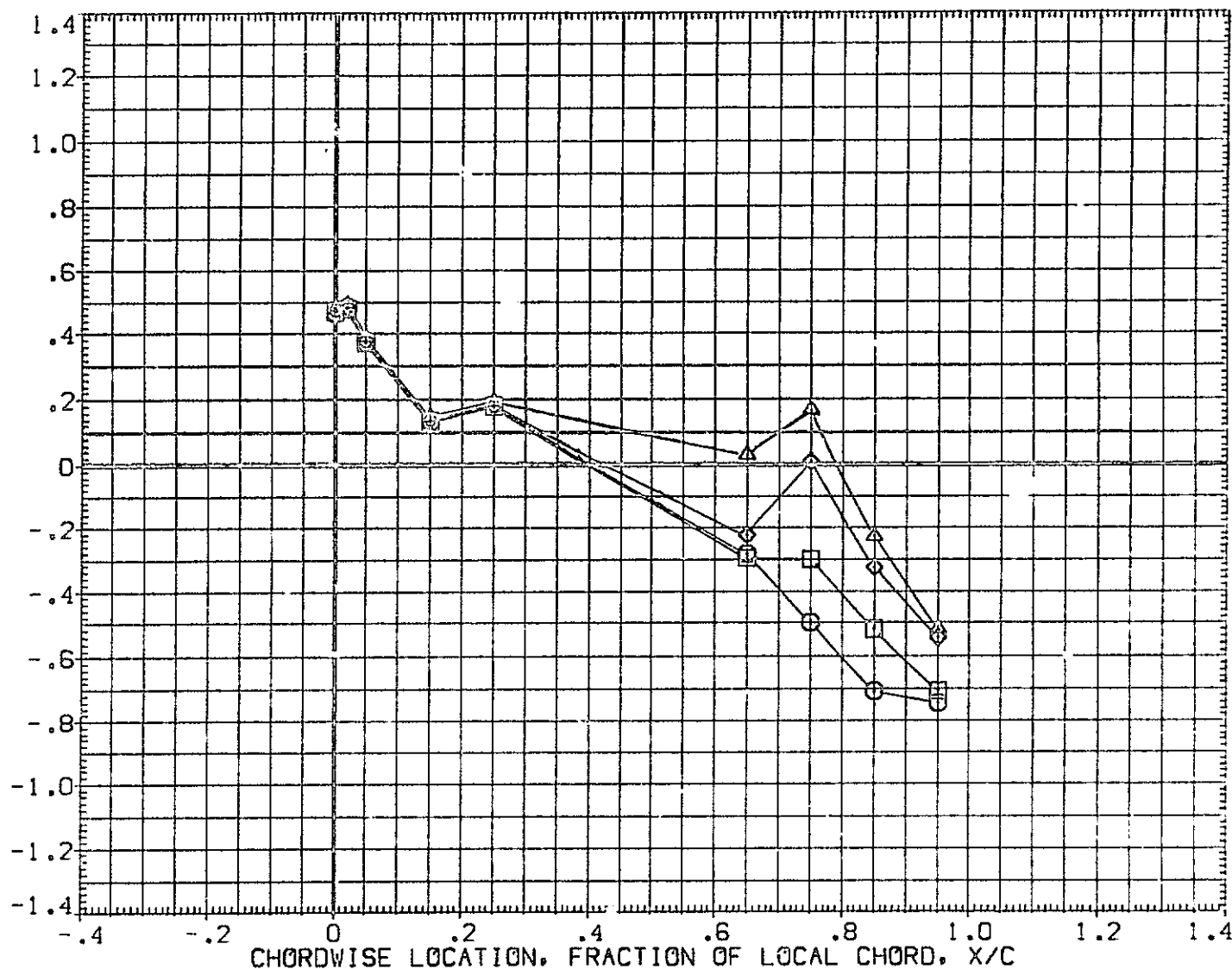


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

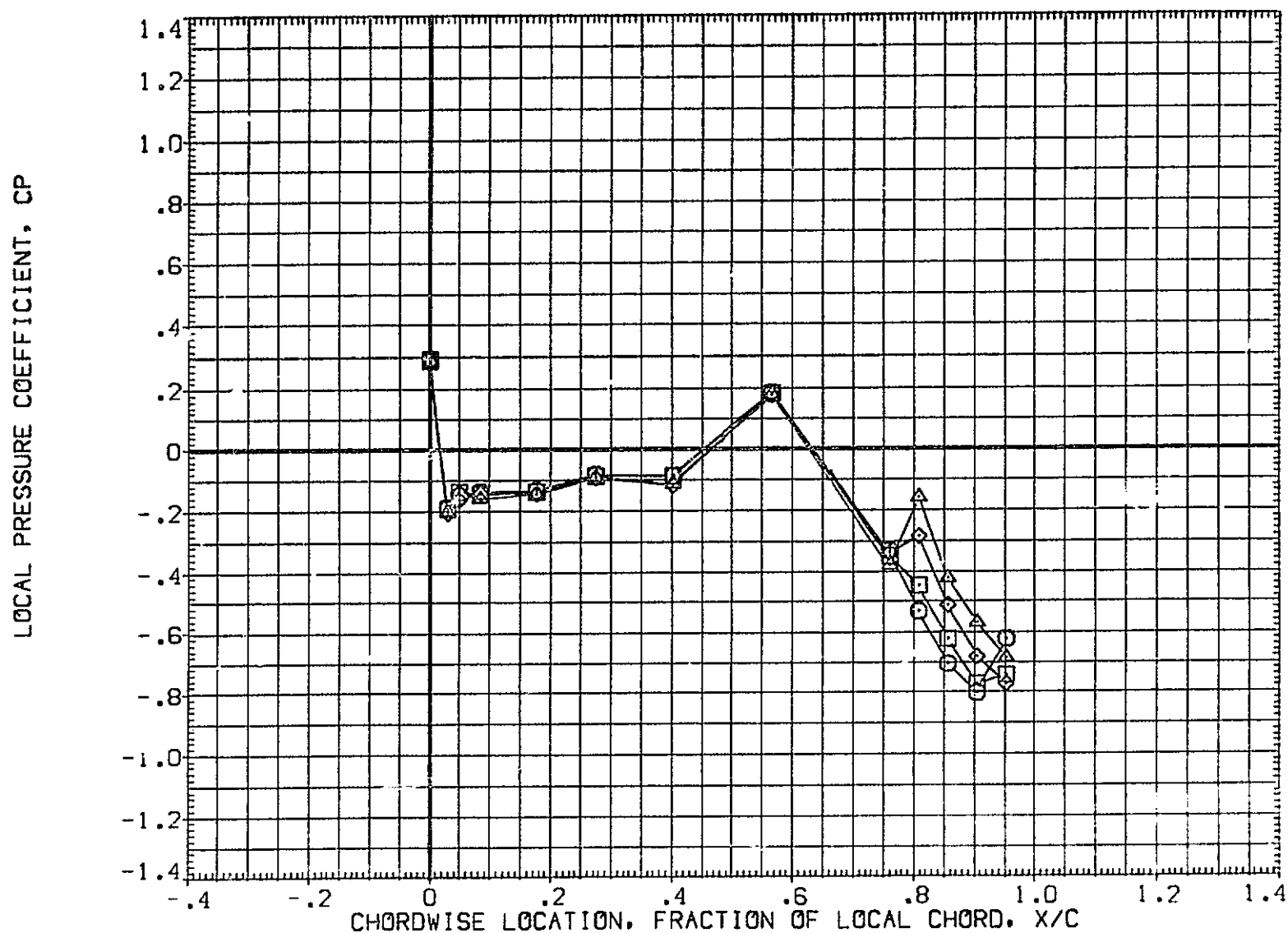


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -8.000 2Y/B = .436 PAGE 503

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

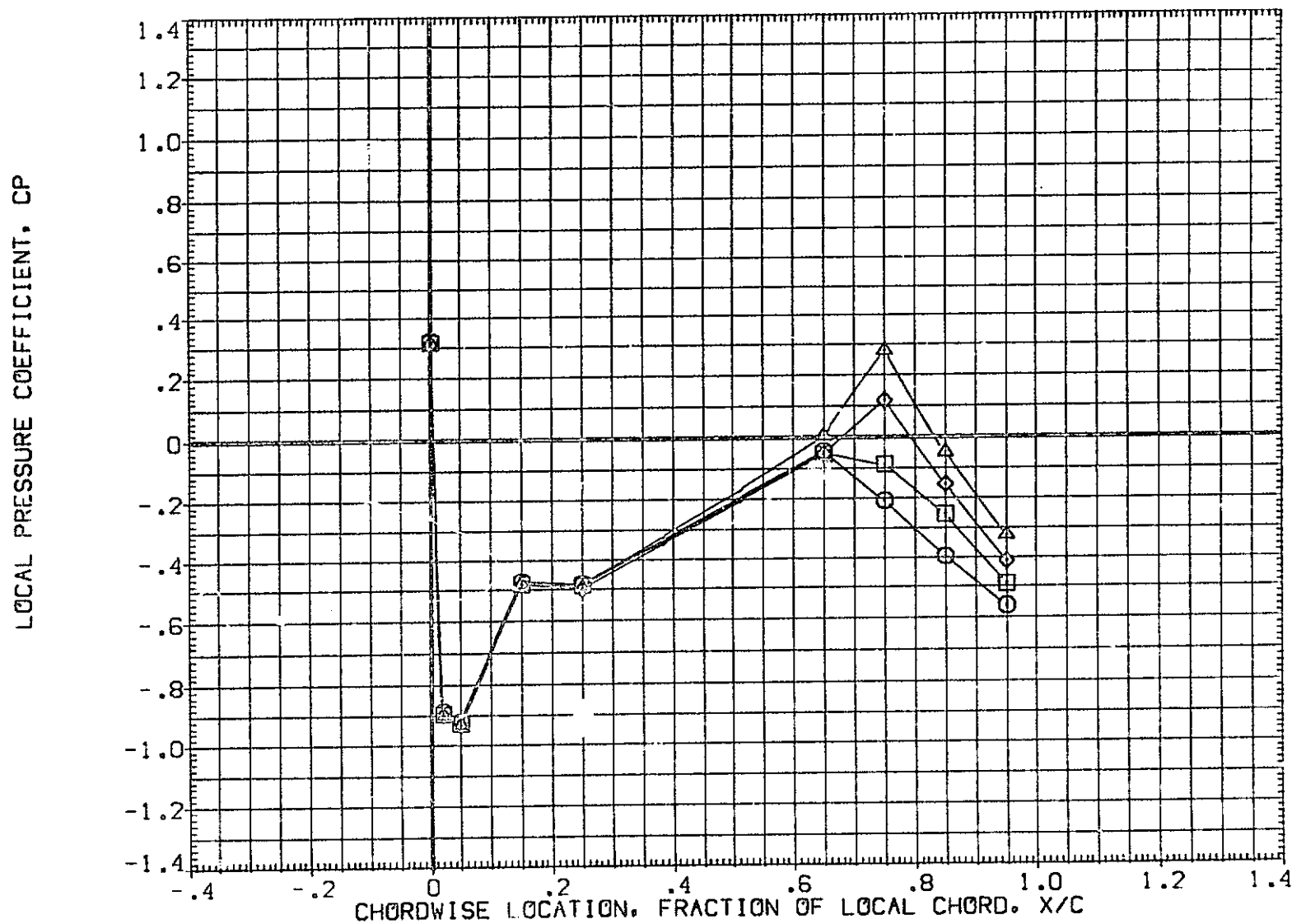


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

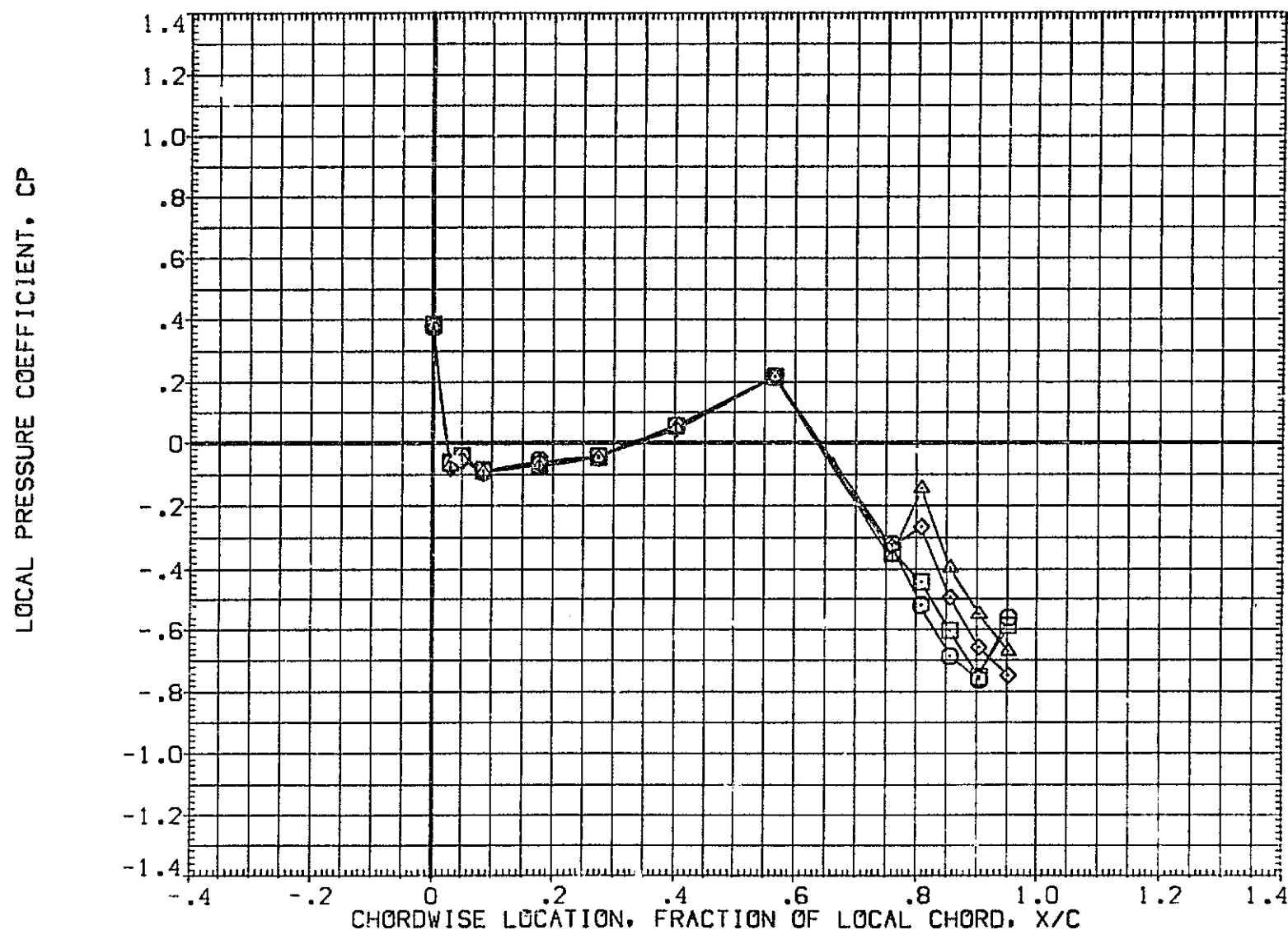


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -6.000 2Y/B = .436 PAGE 505

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

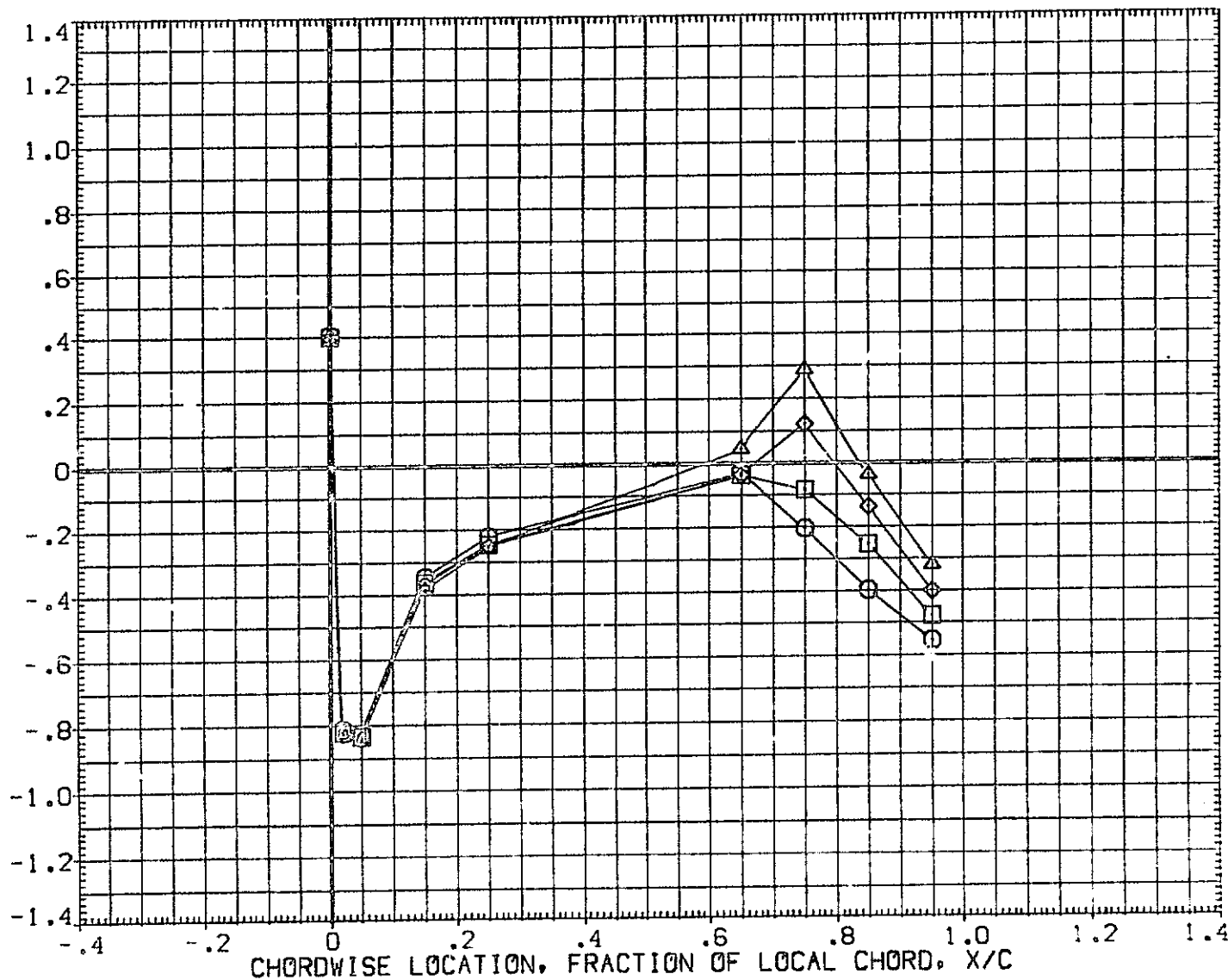


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -6.000 2Y/B = .771 PAGE 506

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

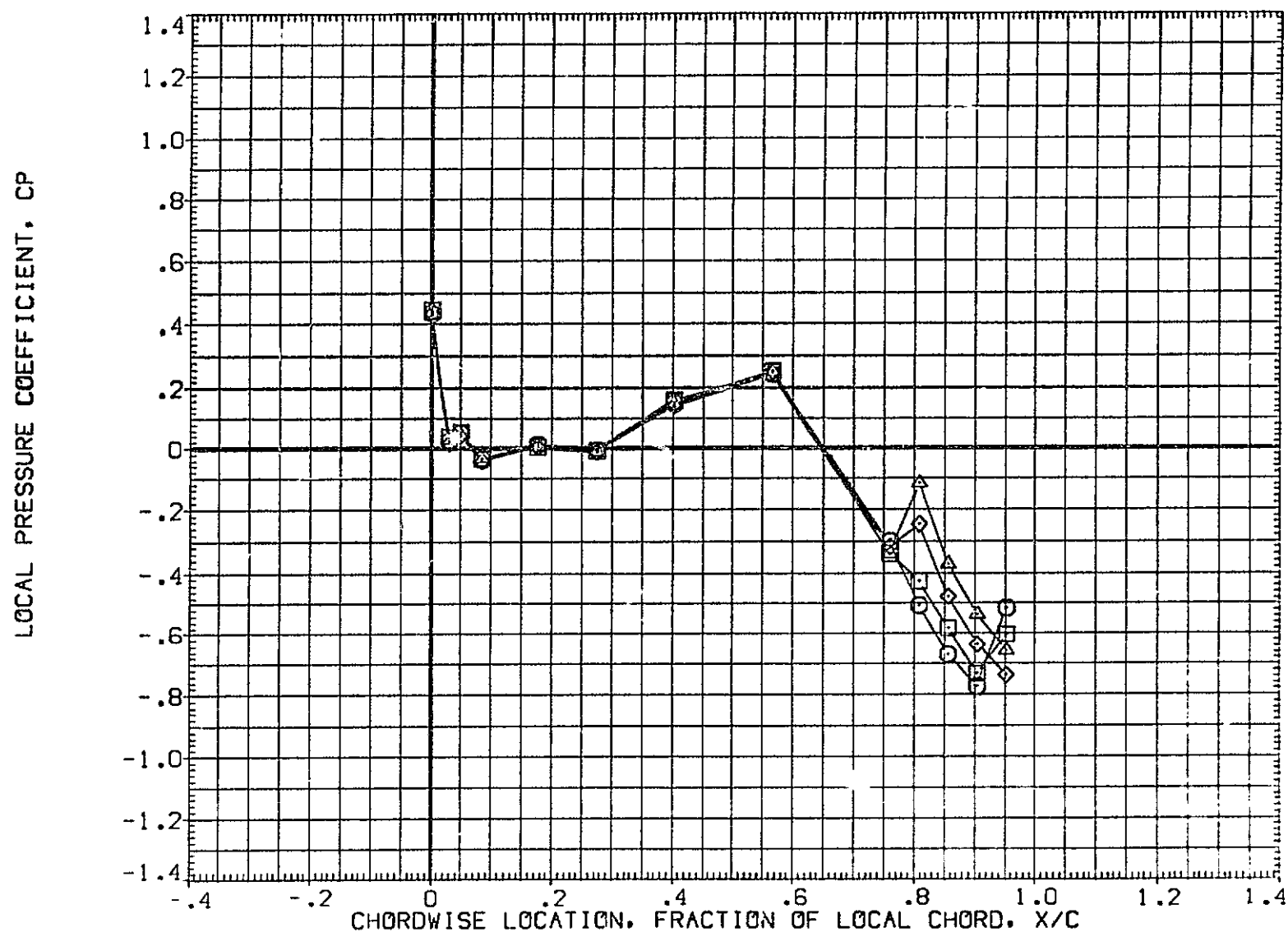



FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 4.000 2Y/B = .436

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DATA SET	SYMBOL	CONFIGURATION			DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4	
(AF7L44)		1A70	01	T12	S1 P2 P8	WING LOWER SURFACE	.000	.000	.000	.000
(AF7L45)		1A70	01	T12	S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)		1A70	01	T12	S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)		1A70	01	T12	S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

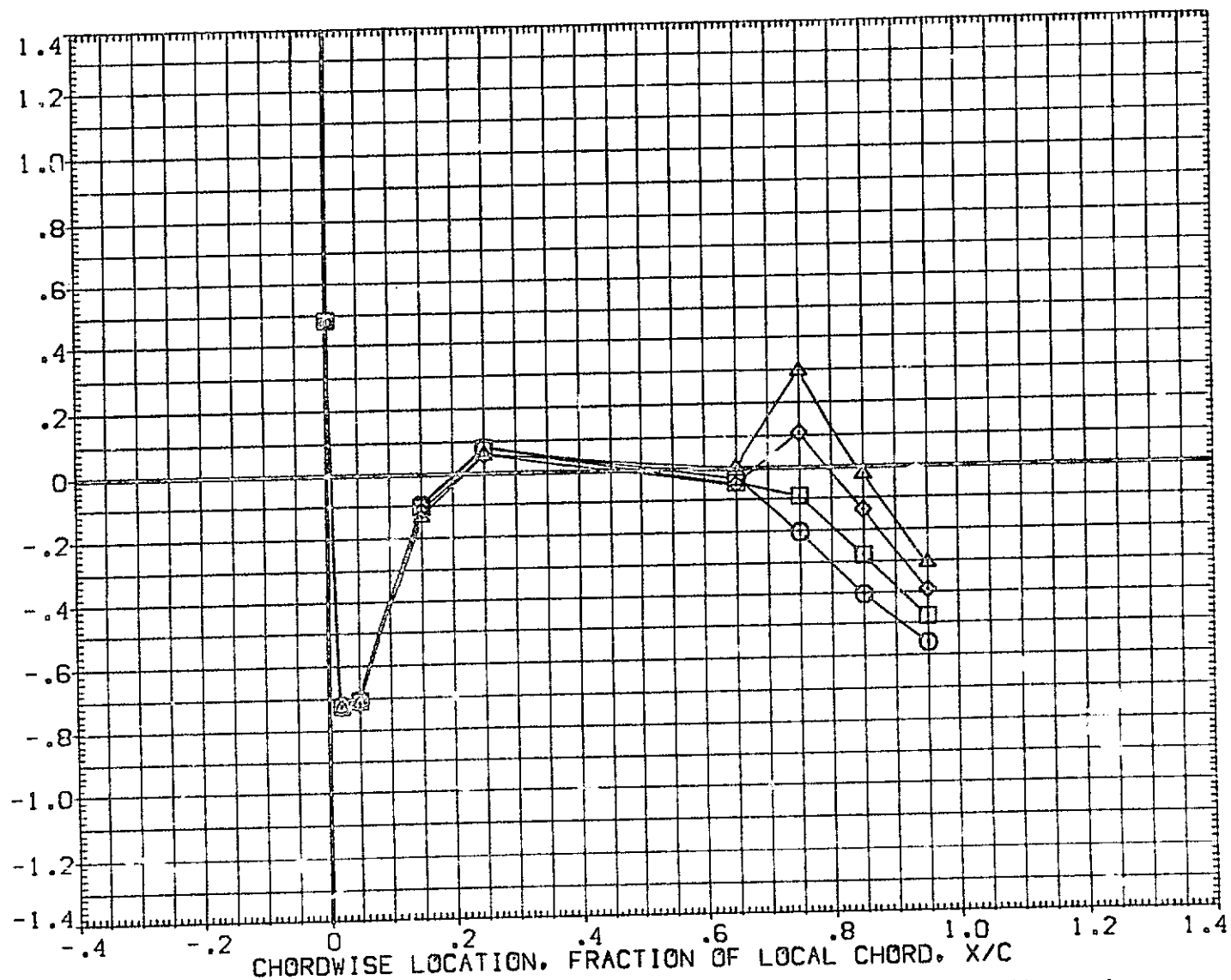


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -4.000 2Y/B = .771 PAGE 508

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

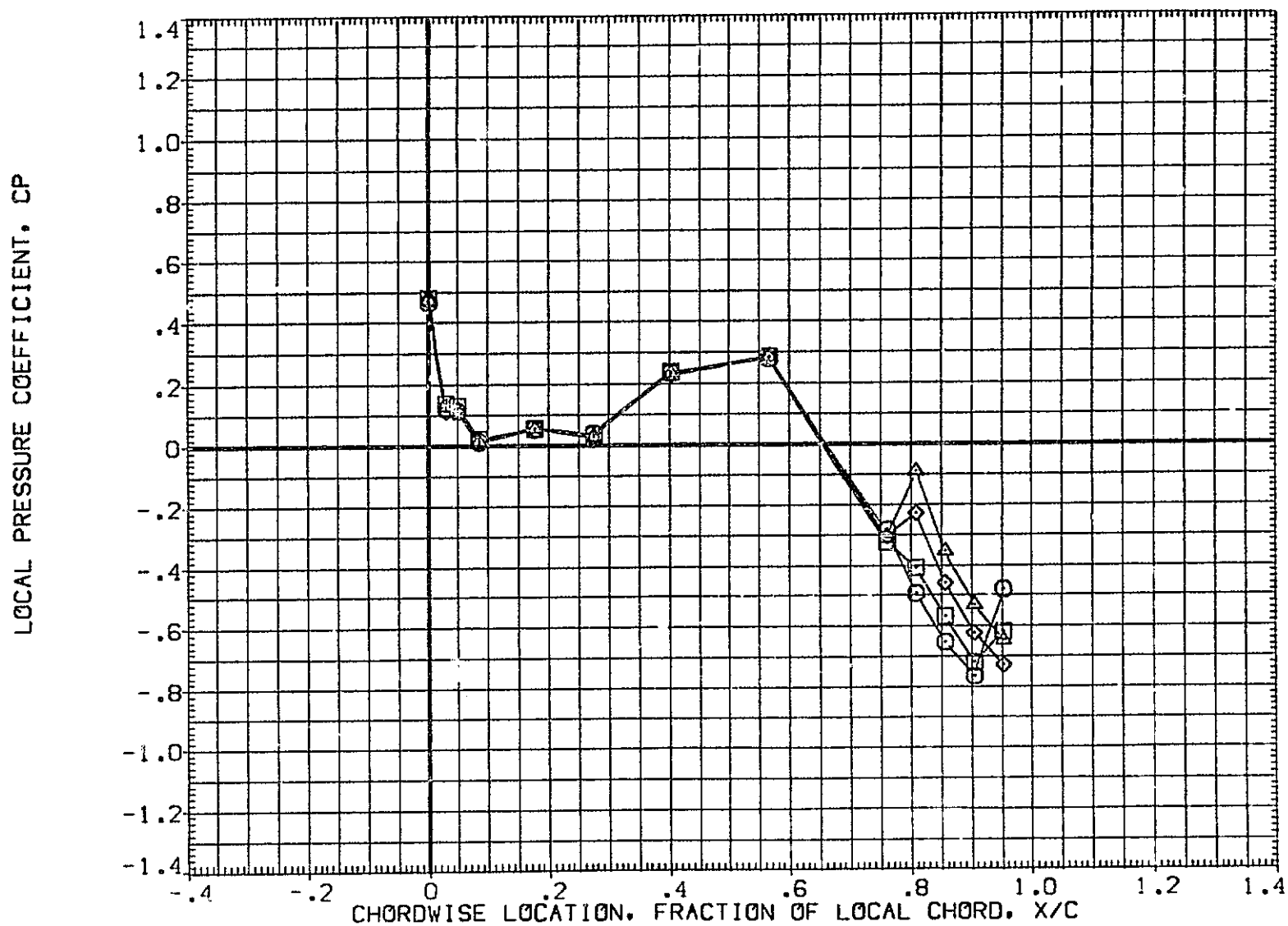


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -2.000 2Y/B = .436 PAGE 509

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

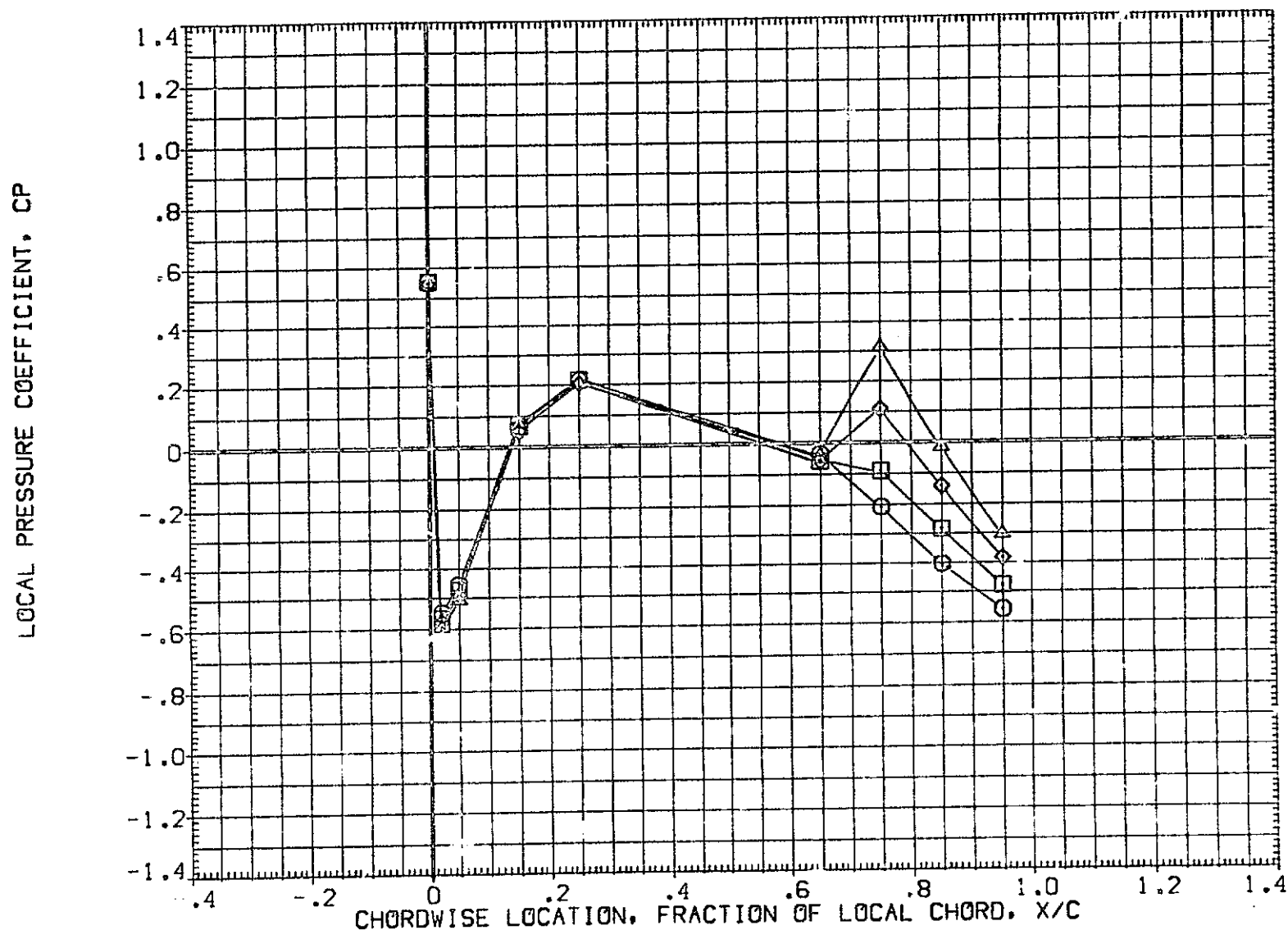


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

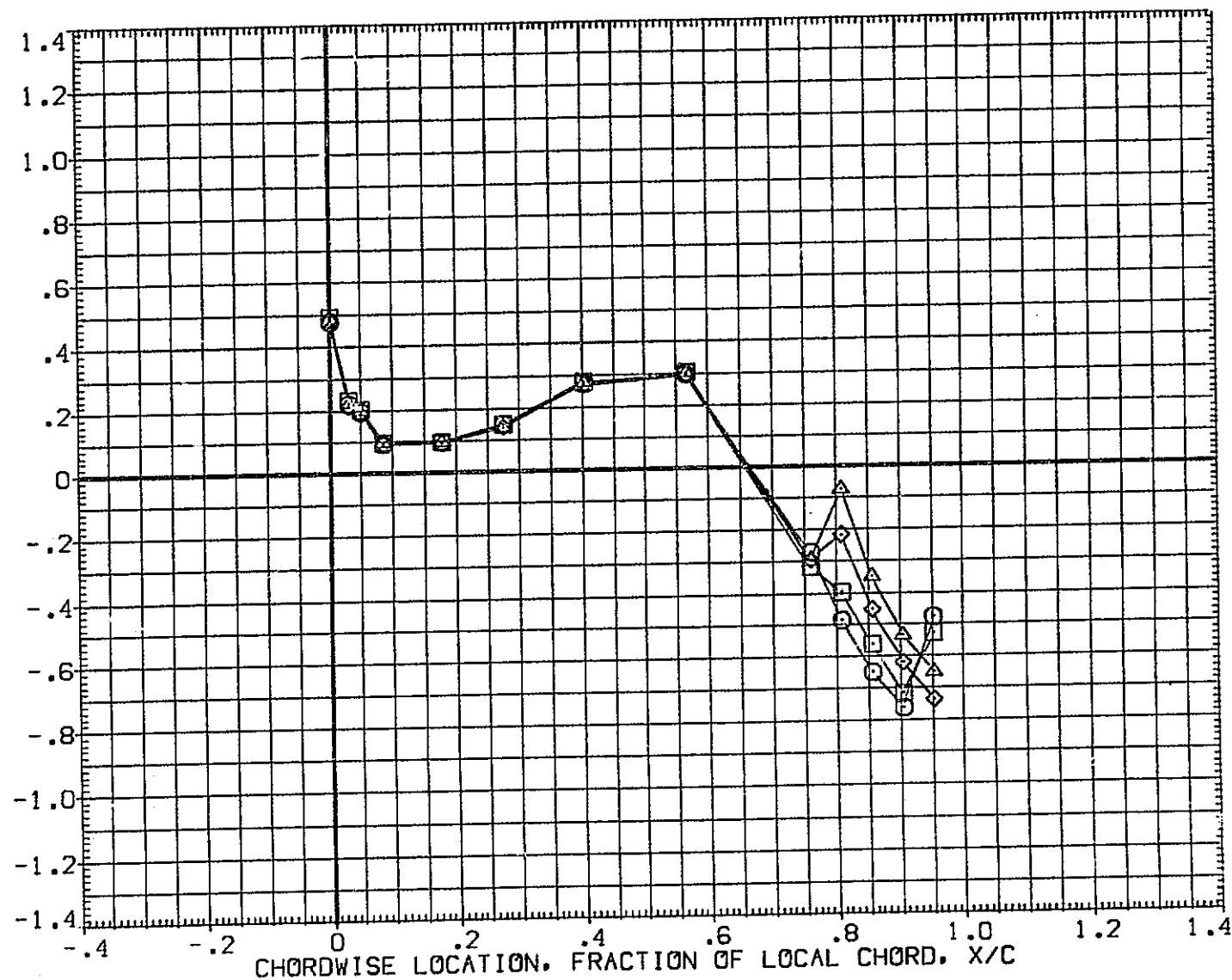


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = .000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	○	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000
[AF7L49]	□	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000
[AF7L54]	◇	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000
[AF7L59]	△	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

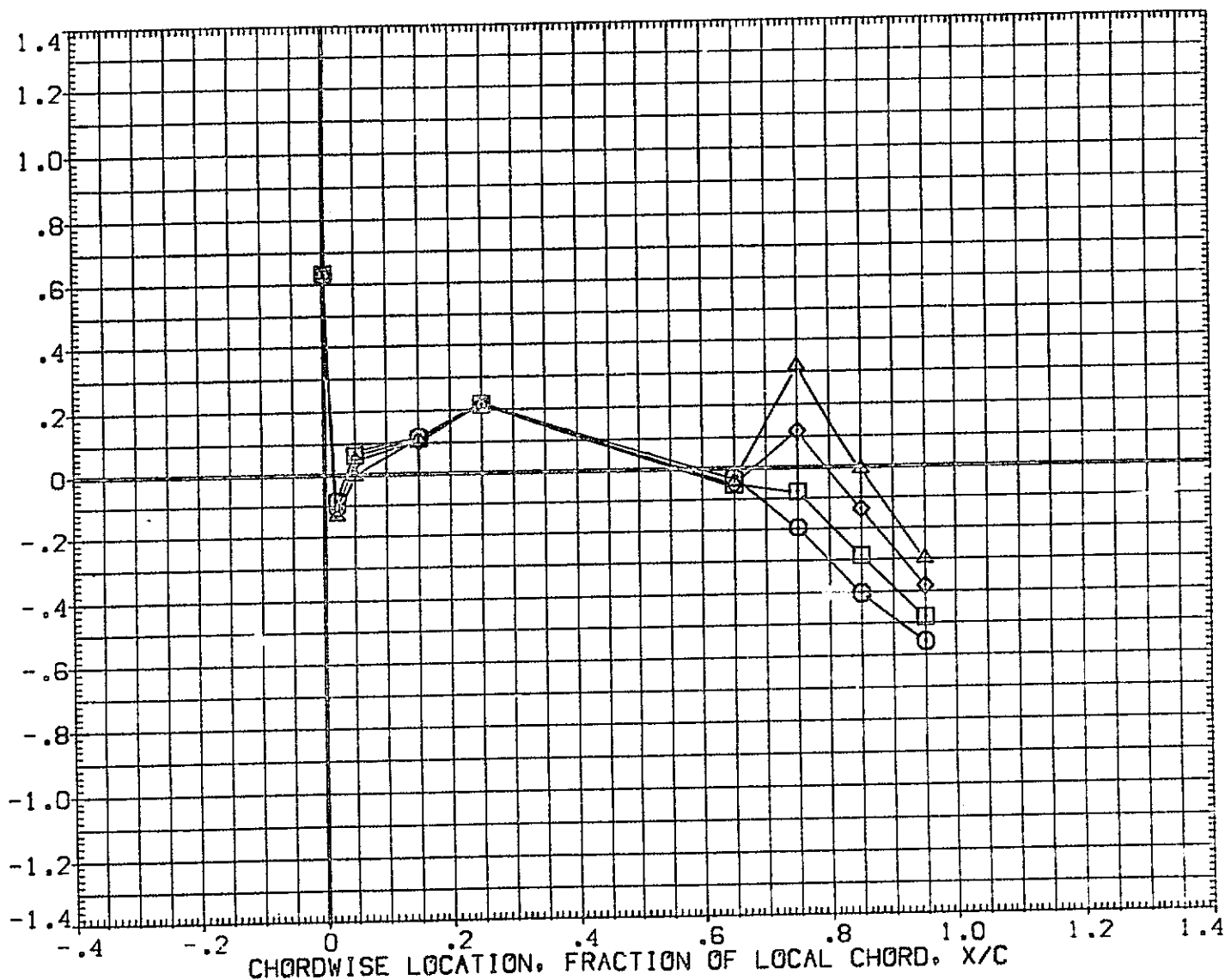


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

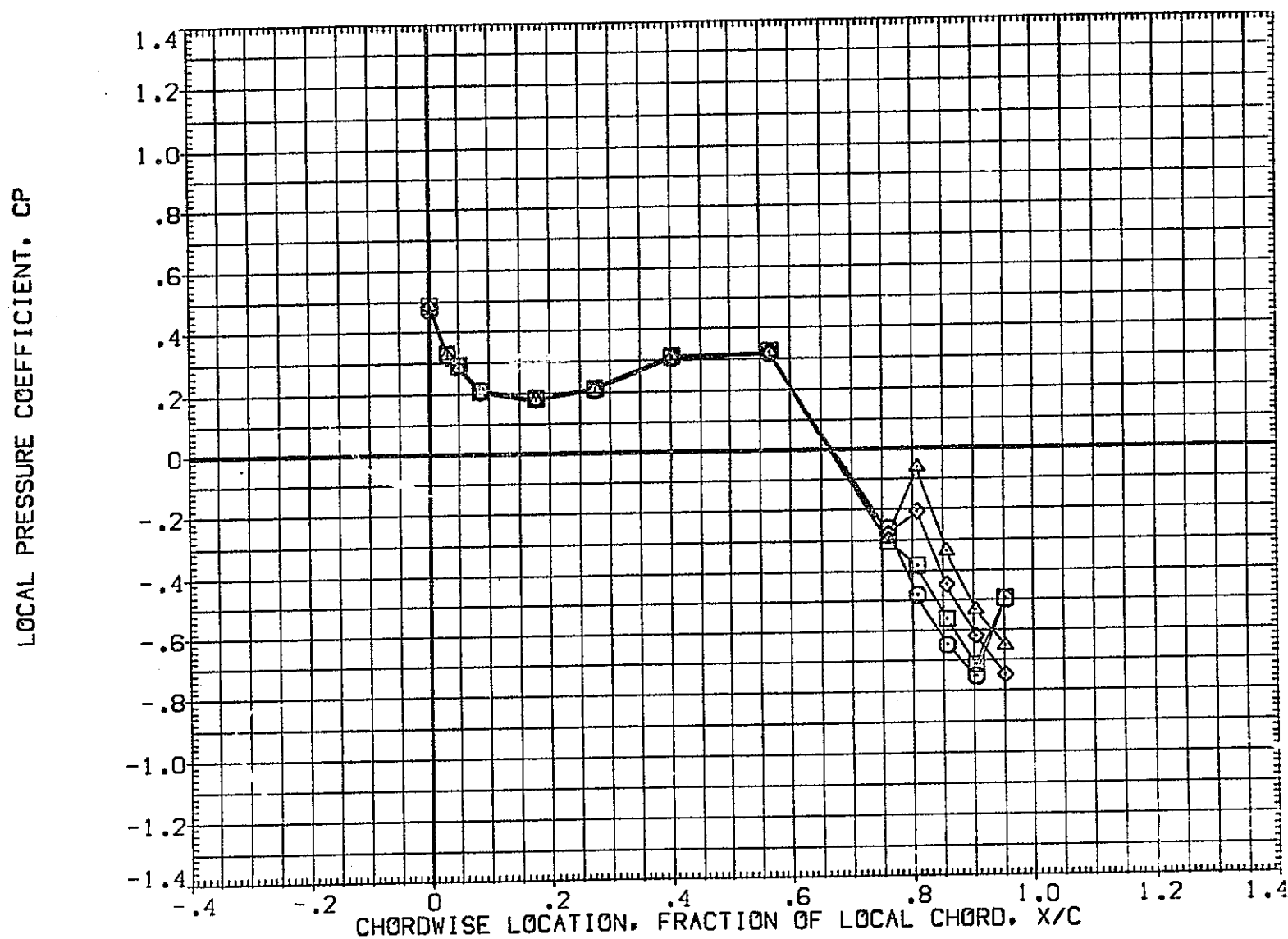


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 2.000 2Y/B = .436 PAGE 513

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

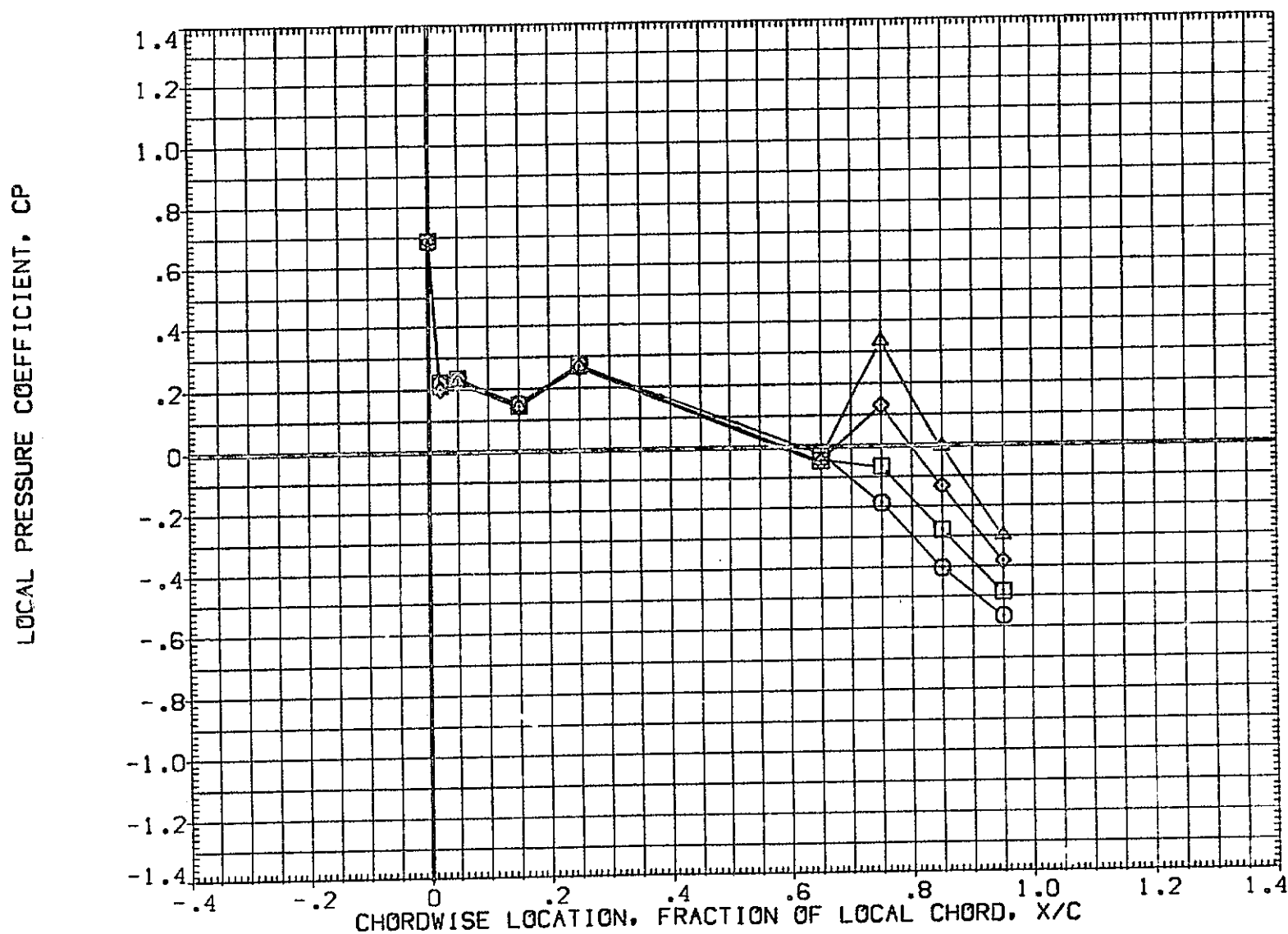


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

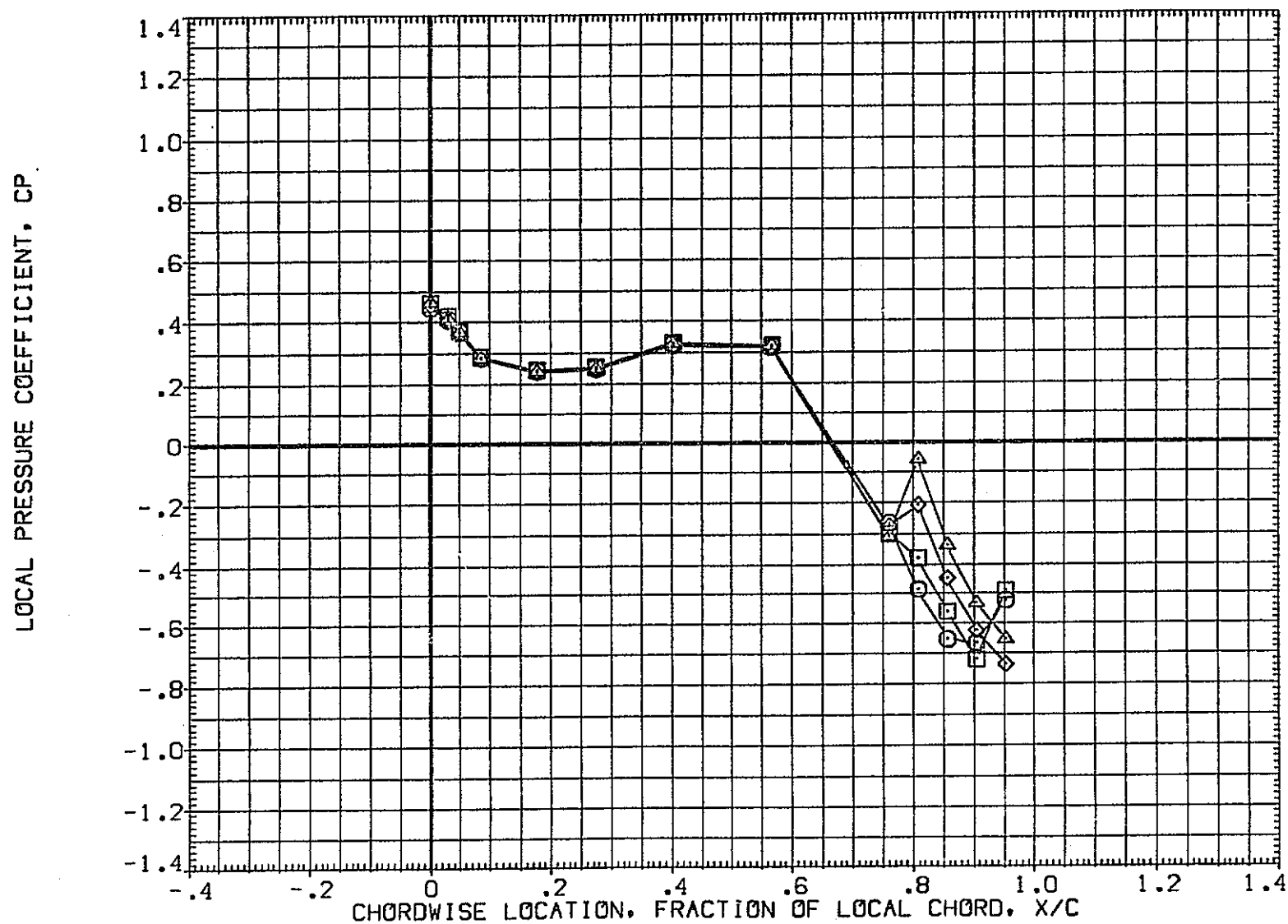


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P2	WING LOWER SURFACE	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000

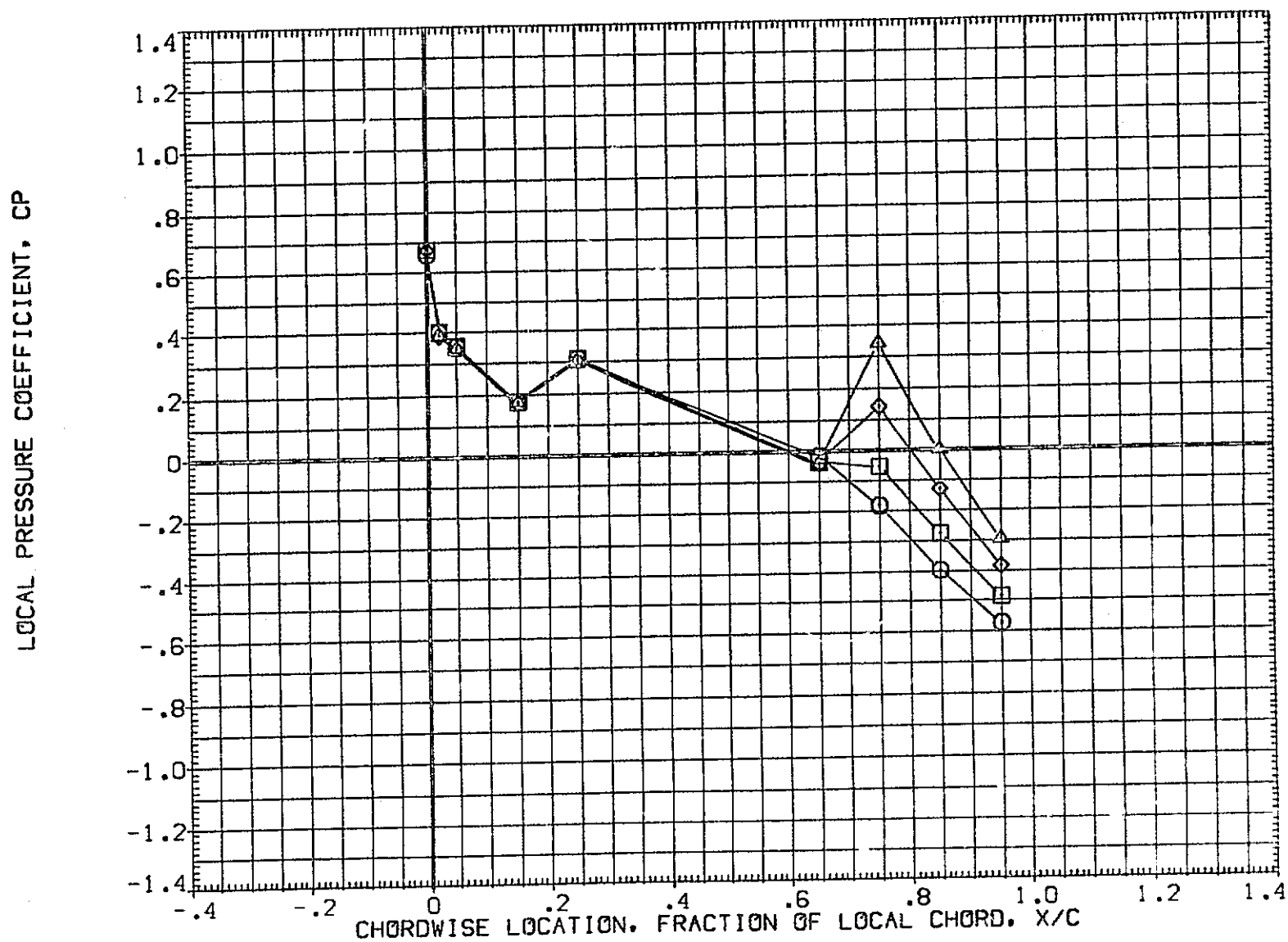


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 4.000 2Y/B = .771 PAGE 516

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

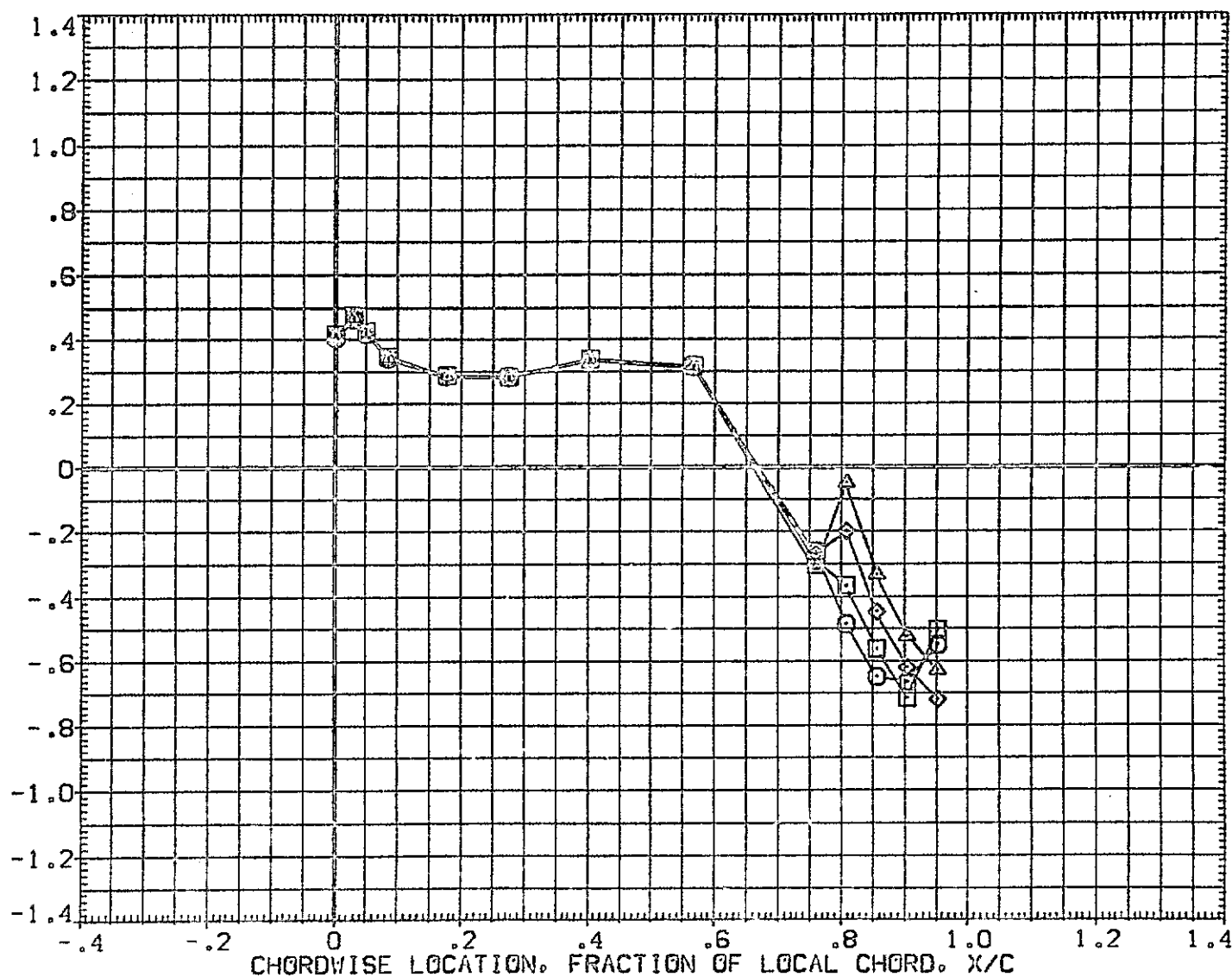


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P3	WING LOWER SURFACE	0.000	0.000	0.000
[AF7L49]	IA70 01 T12 S1 P2 P3	WING LOWER SURFACE	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P3	WING LOWER SURFACE	0.000	0.000	0.000
[AF7L59]	IA70 01 T12 S1 P2 P3	WING LOWER SURFACE	0.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

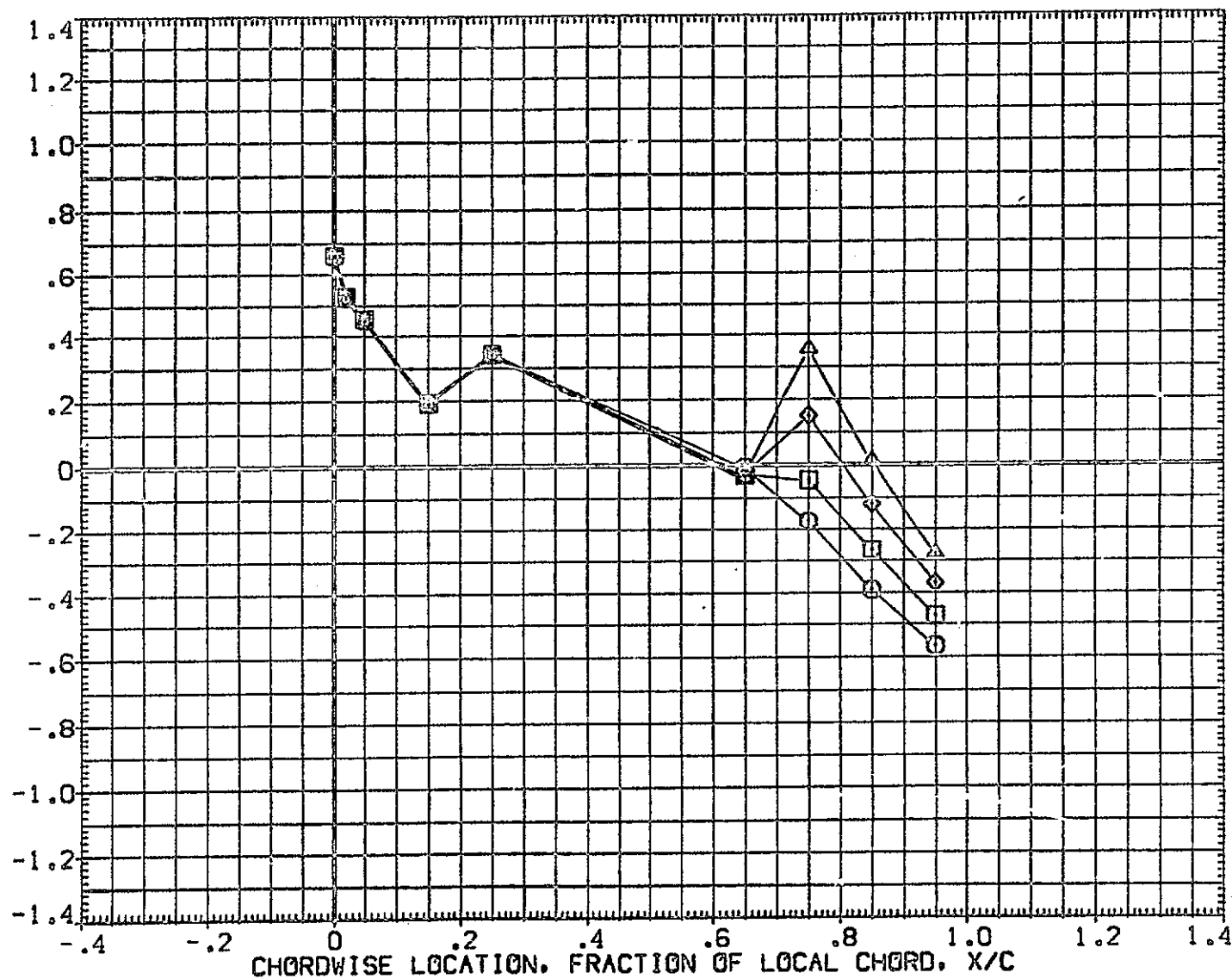
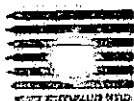


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

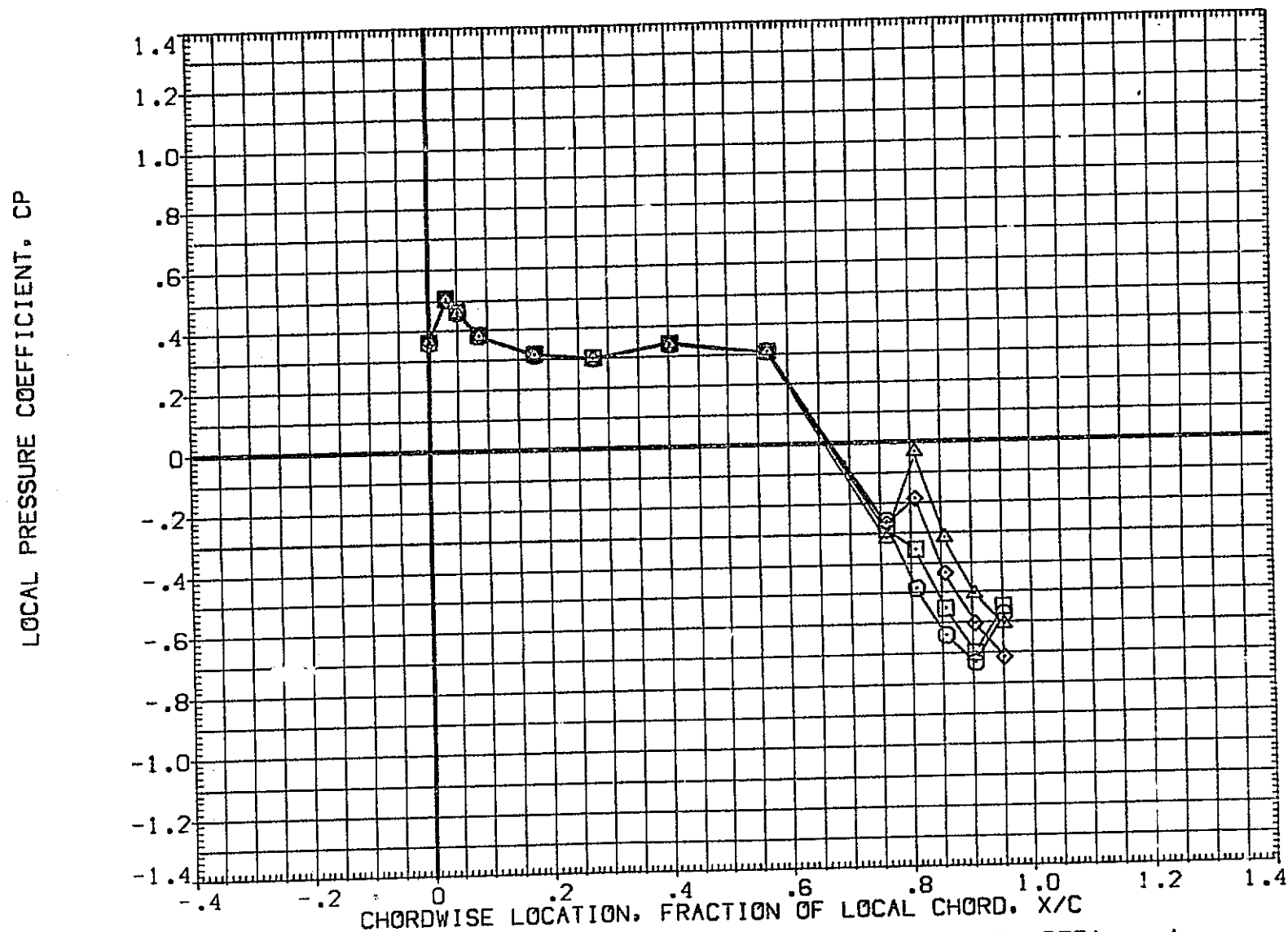


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 8.000 2Y/B = .436 PAGE 519

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 F3 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

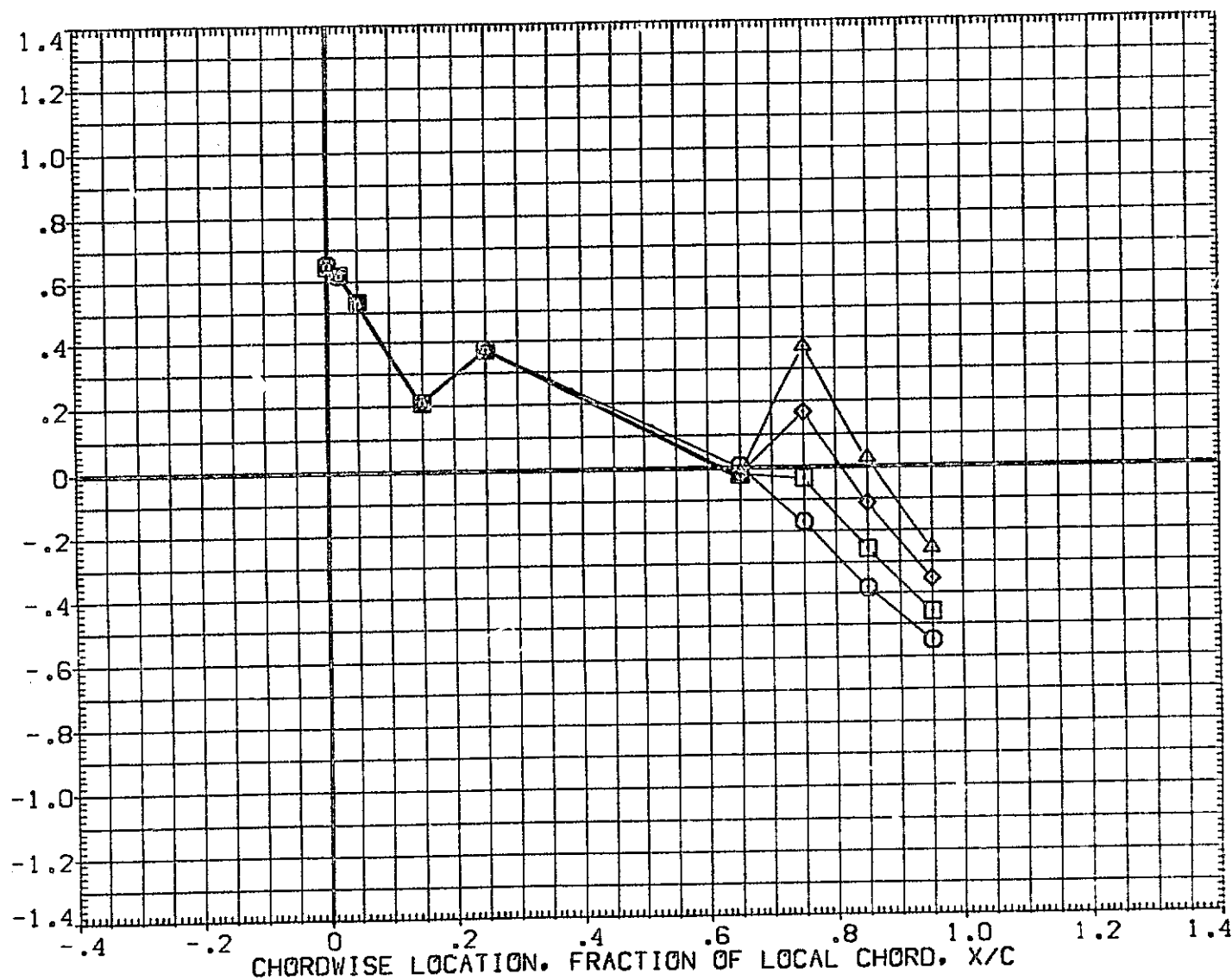


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L45]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

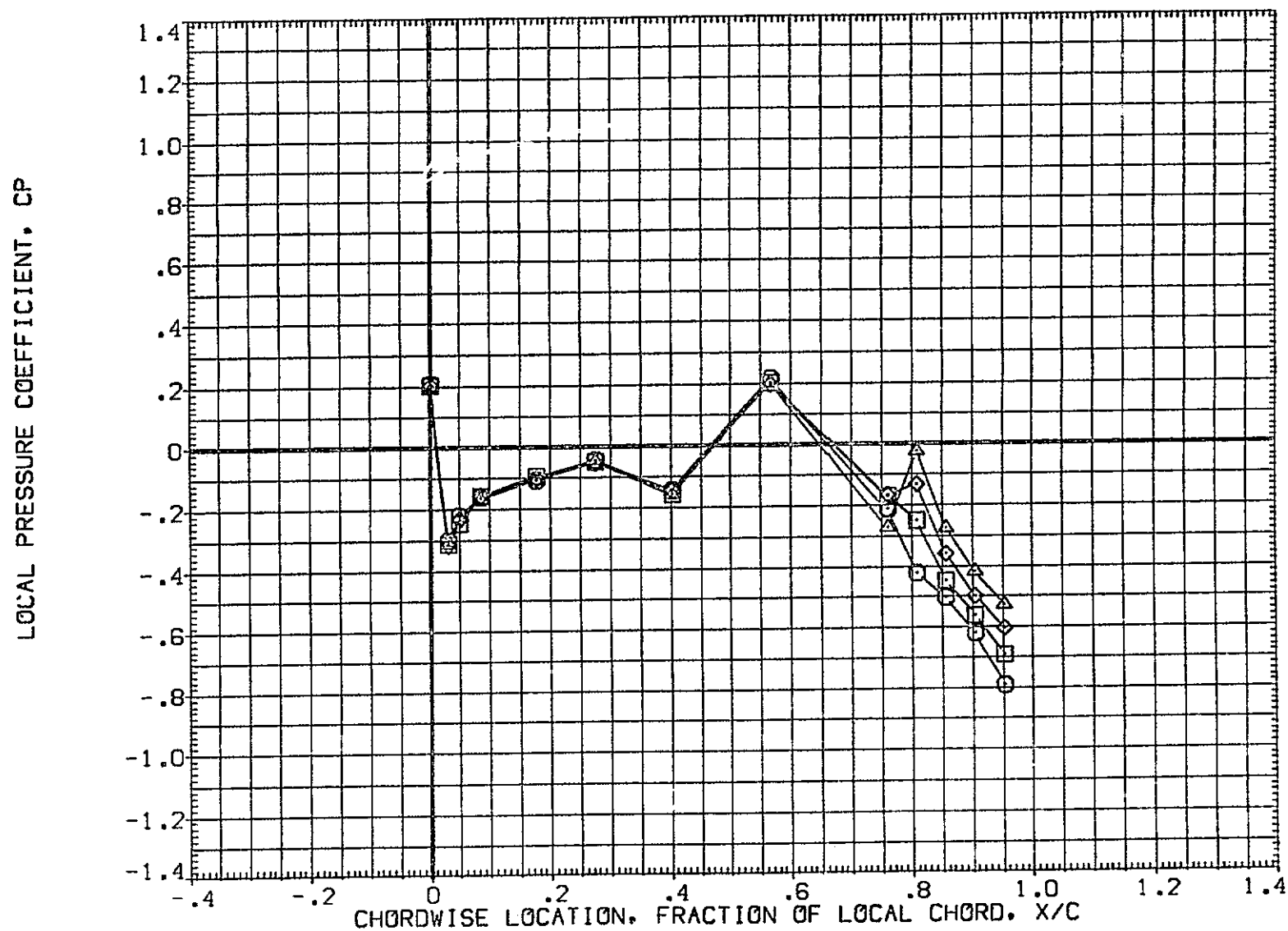


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	0.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

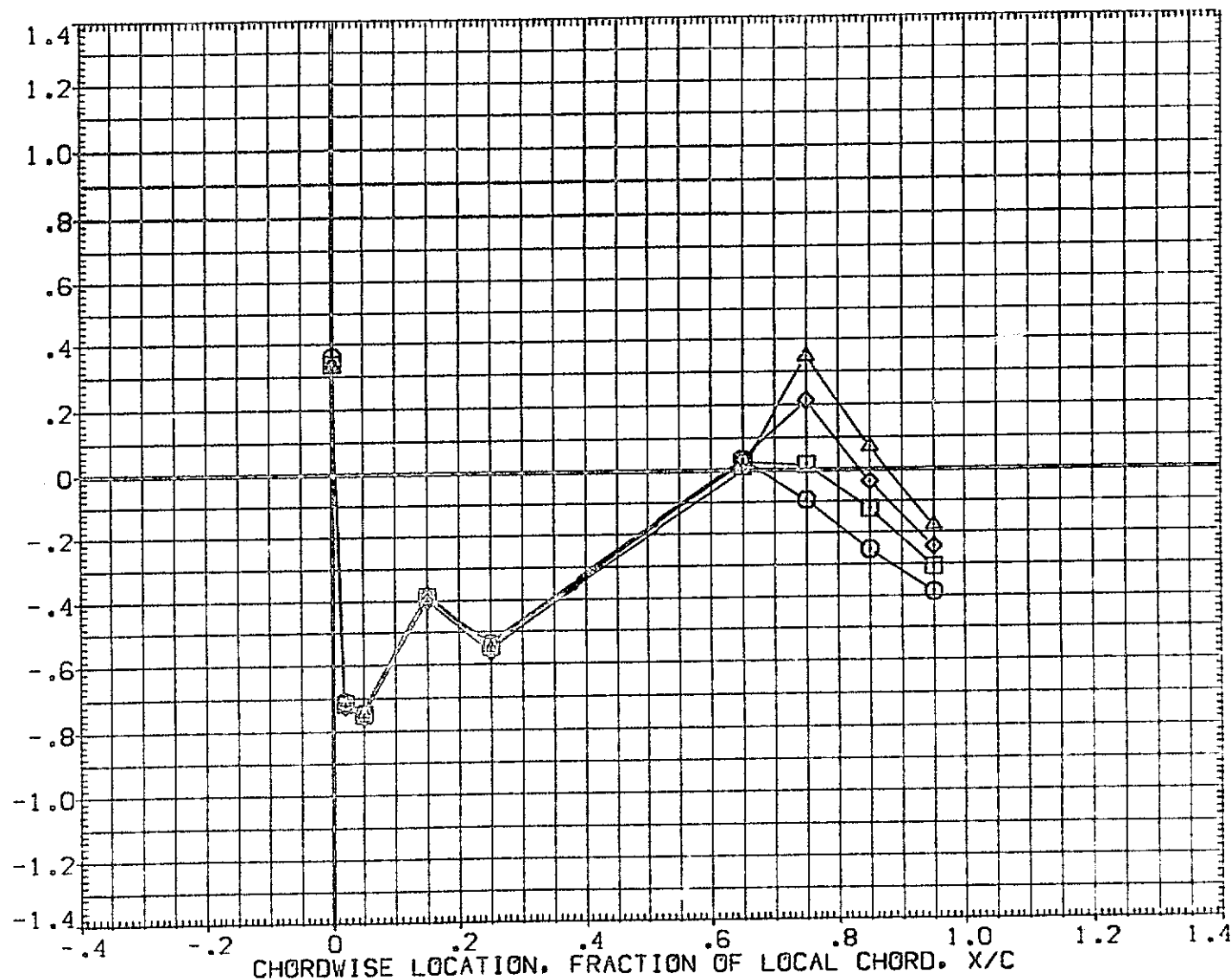


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

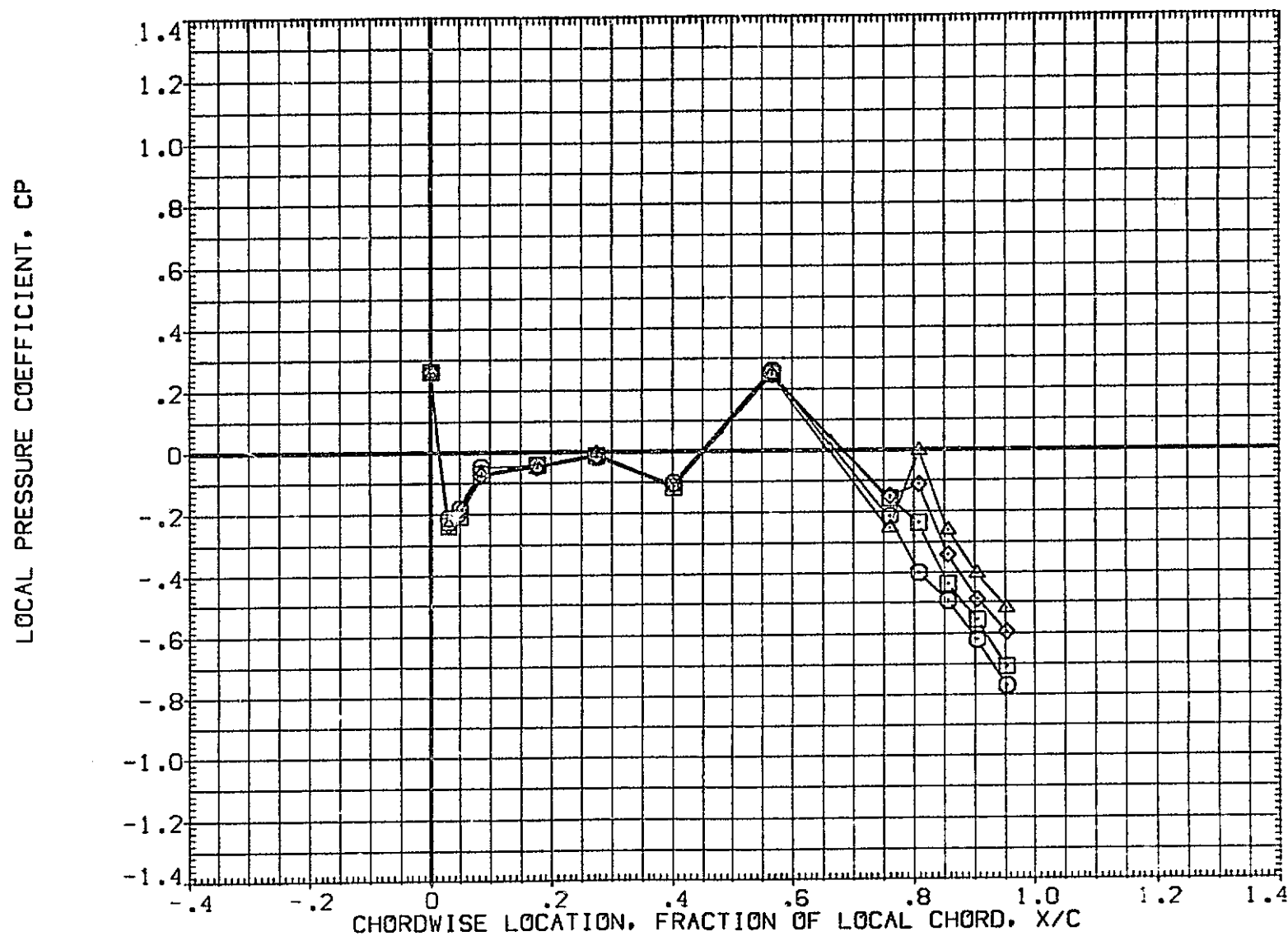


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

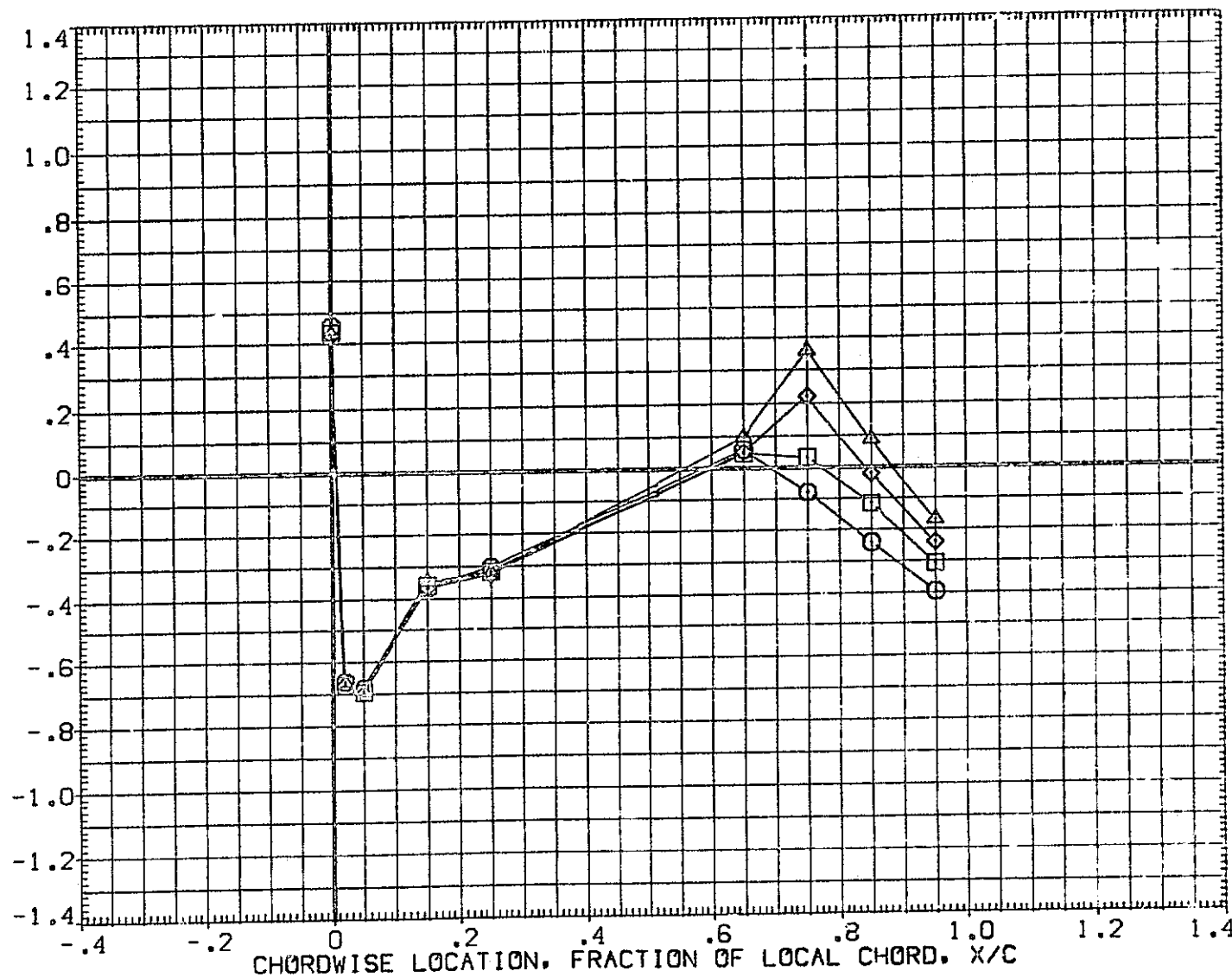


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

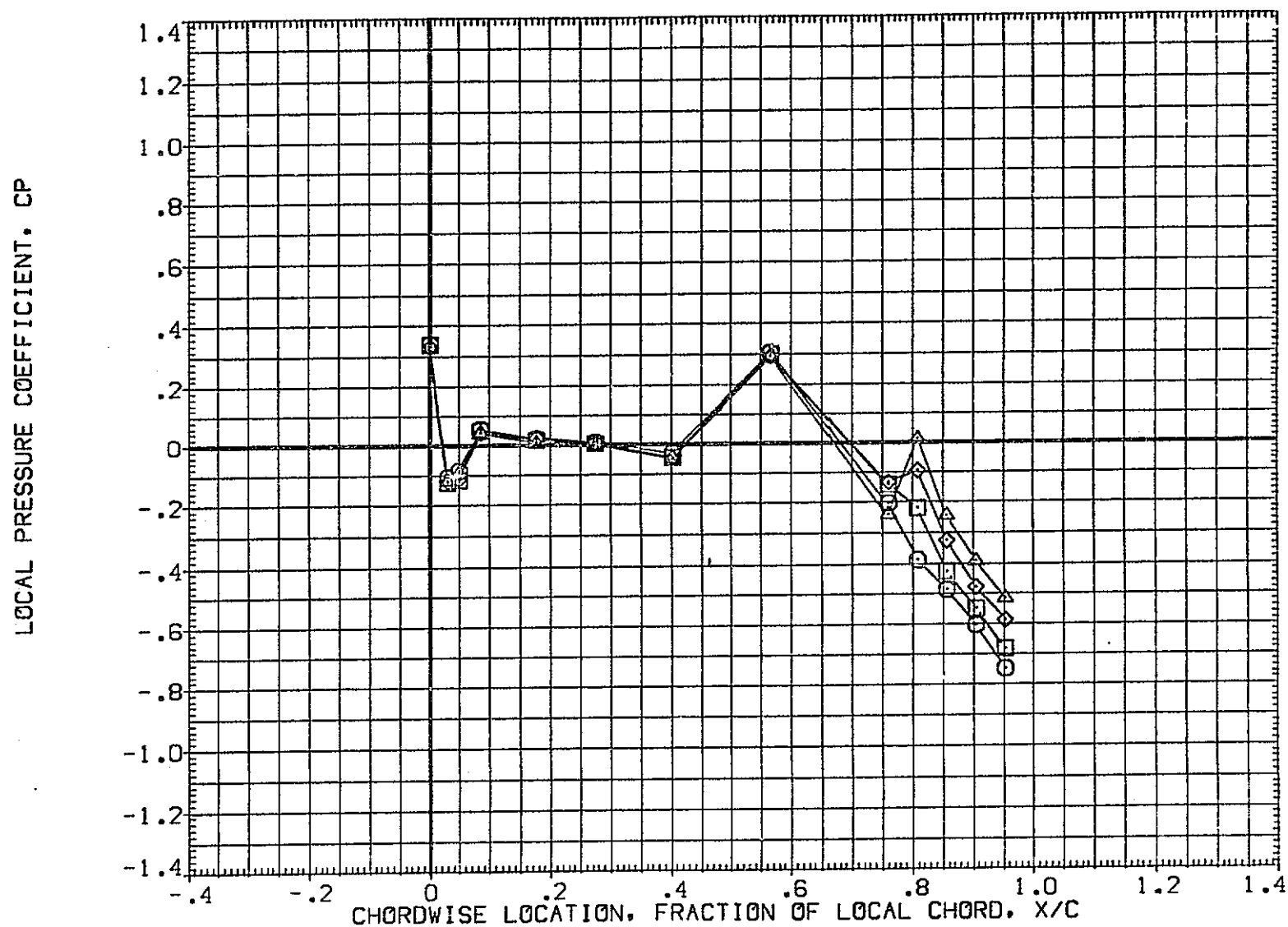


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	12.000	12.000	12.000	12.000

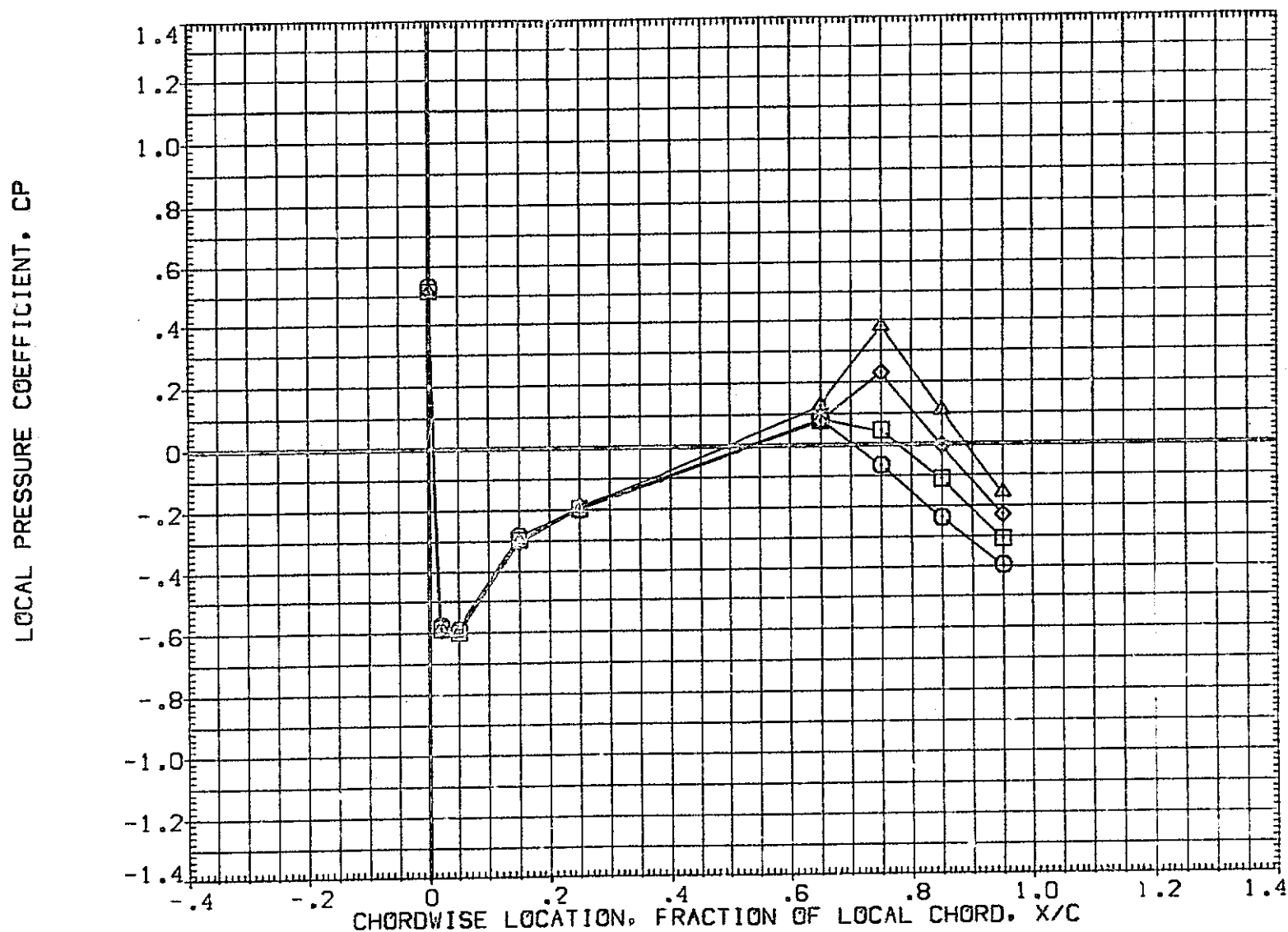


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

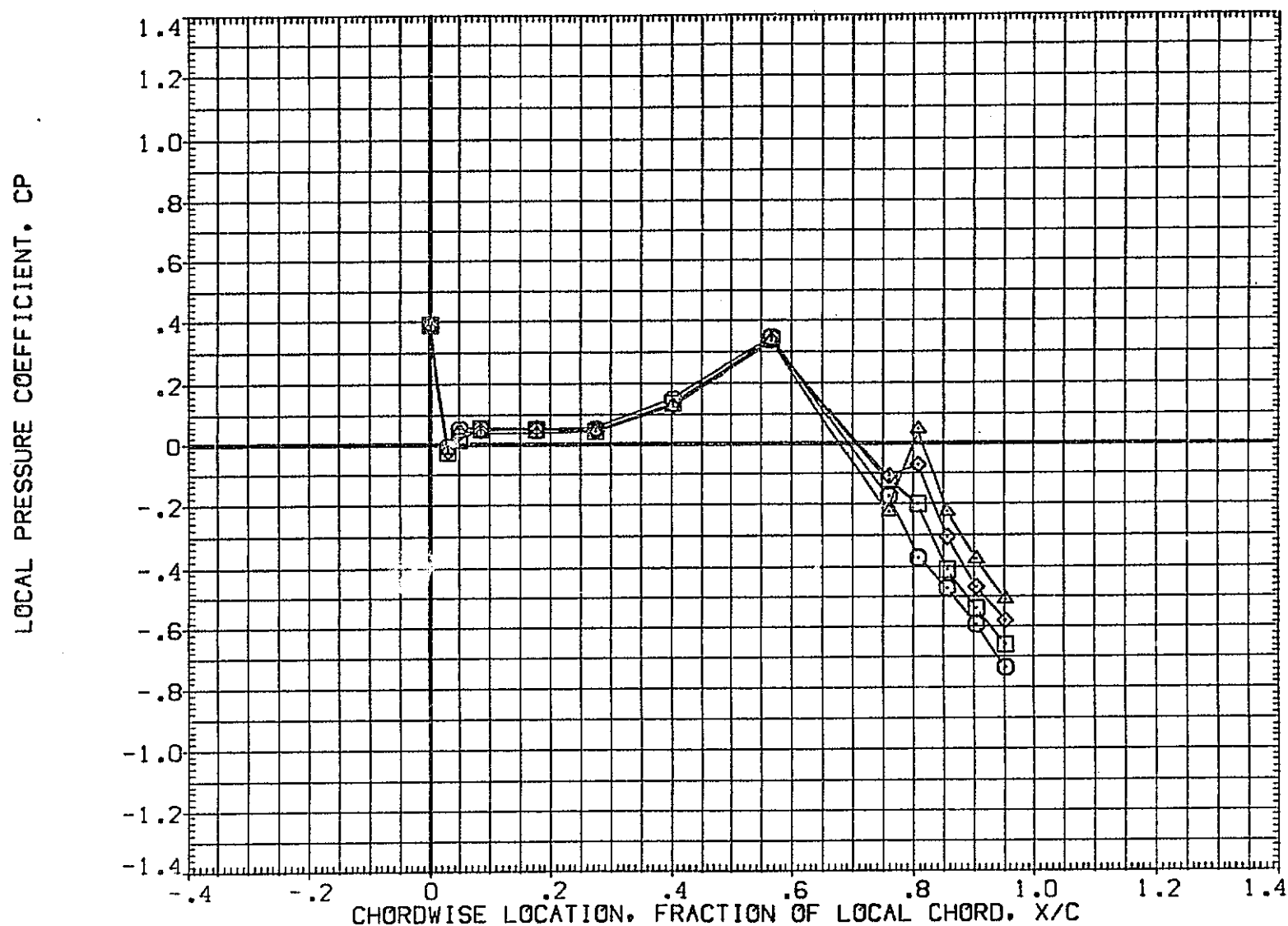


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44] ○	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49] □	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54] ◇	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59] △	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

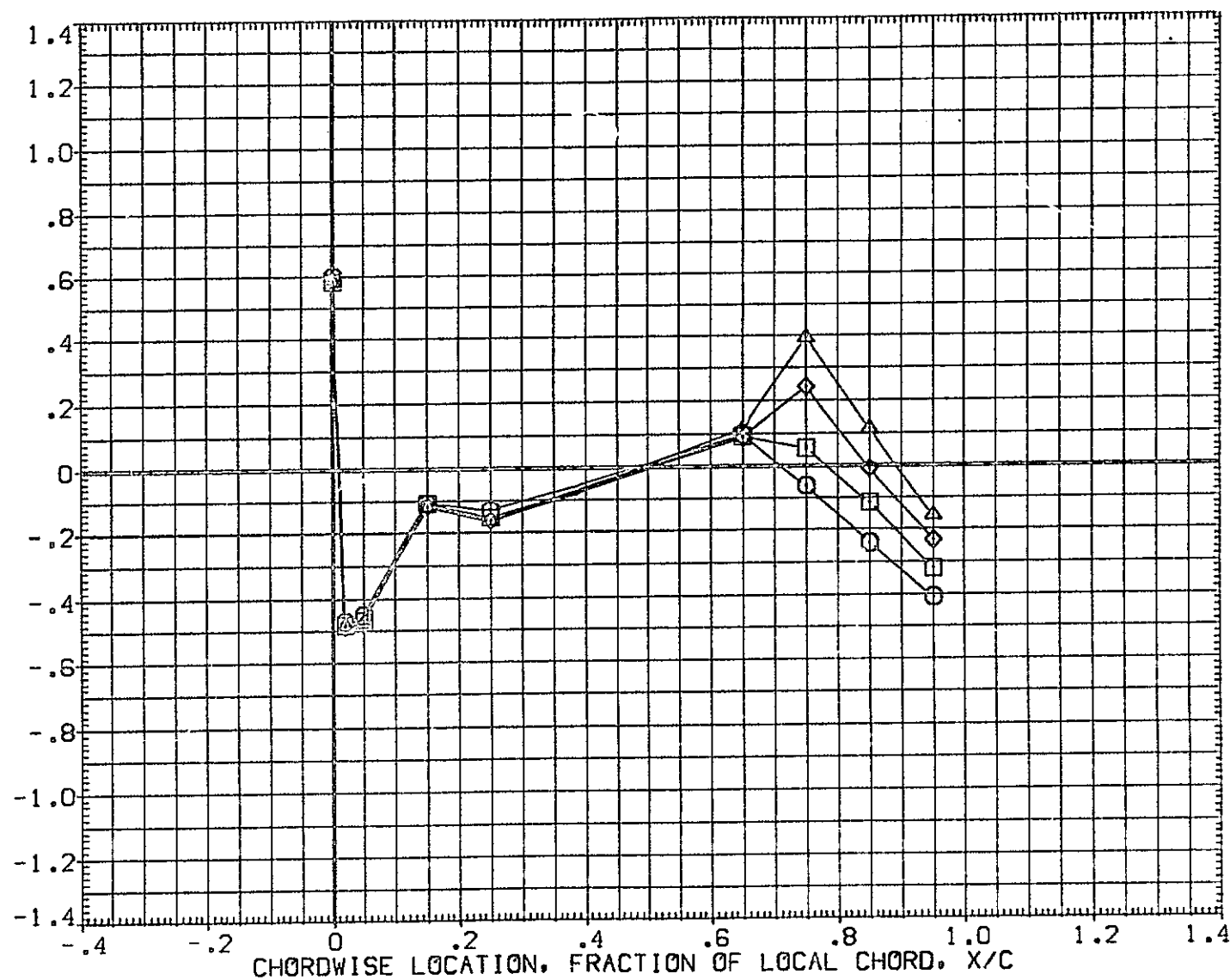


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	□ 1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	□ 1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	◇ 1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	△ 1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

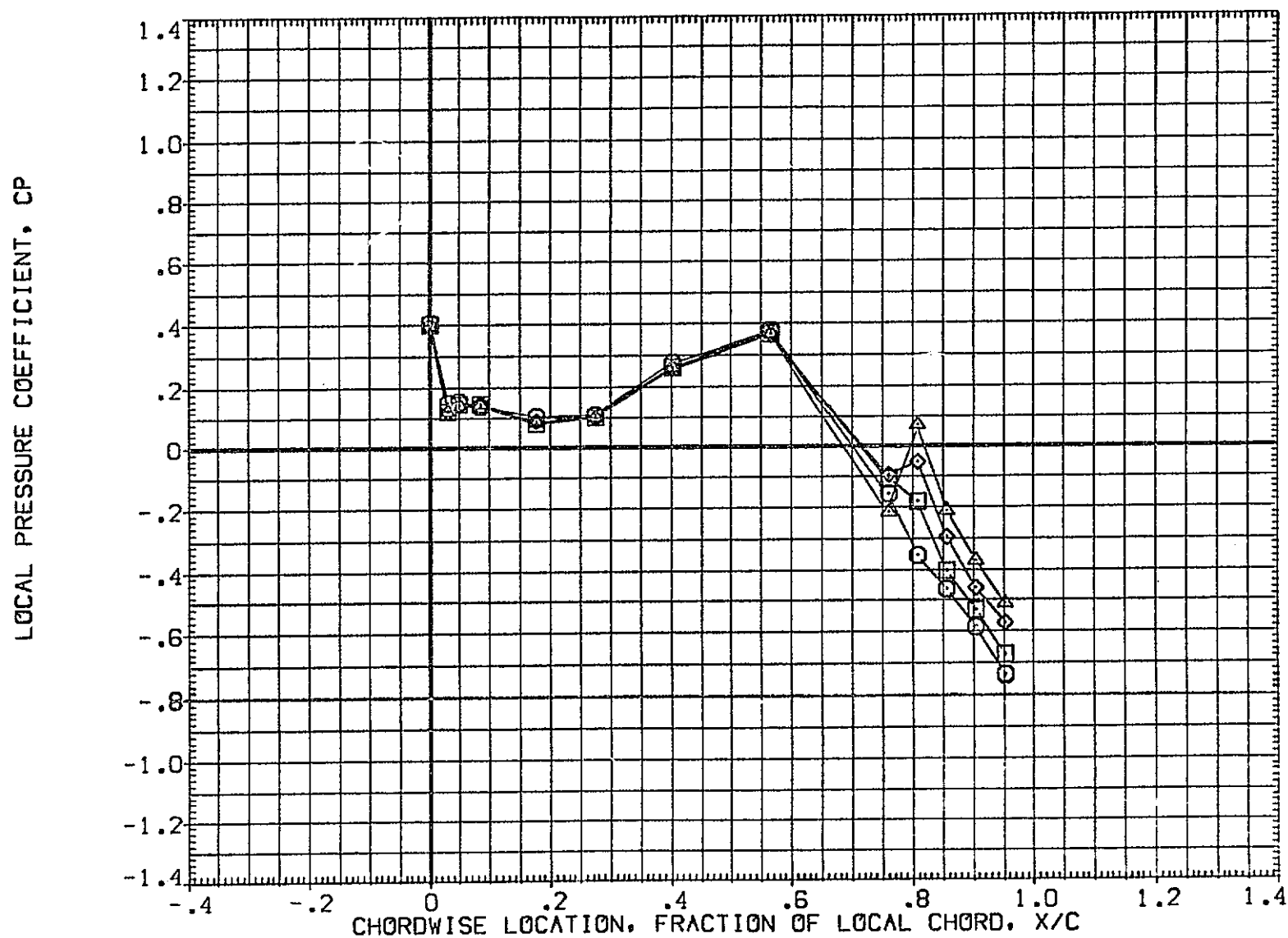


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = .000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

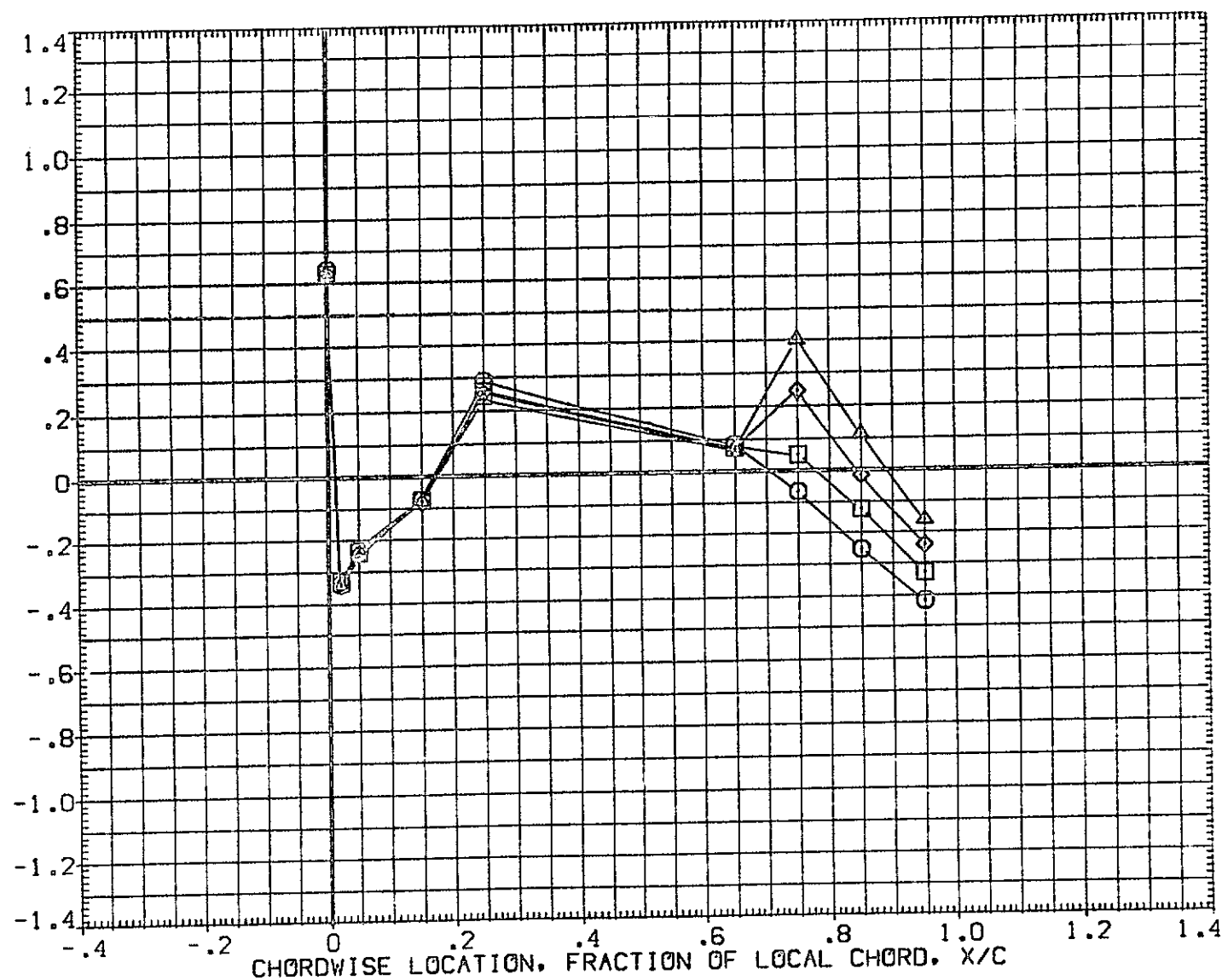


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = .000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	○	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	□	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	◇	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	△	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

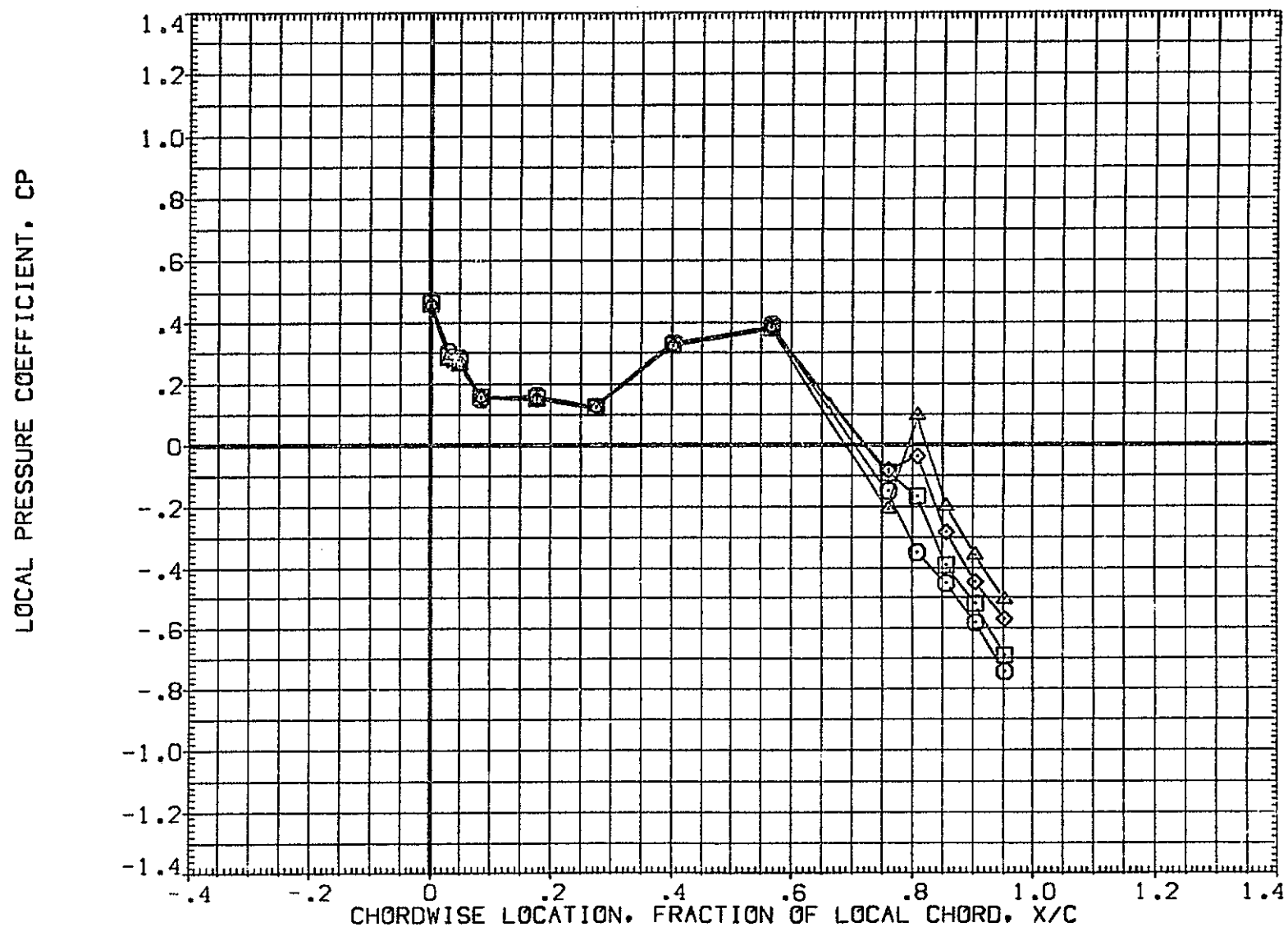


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

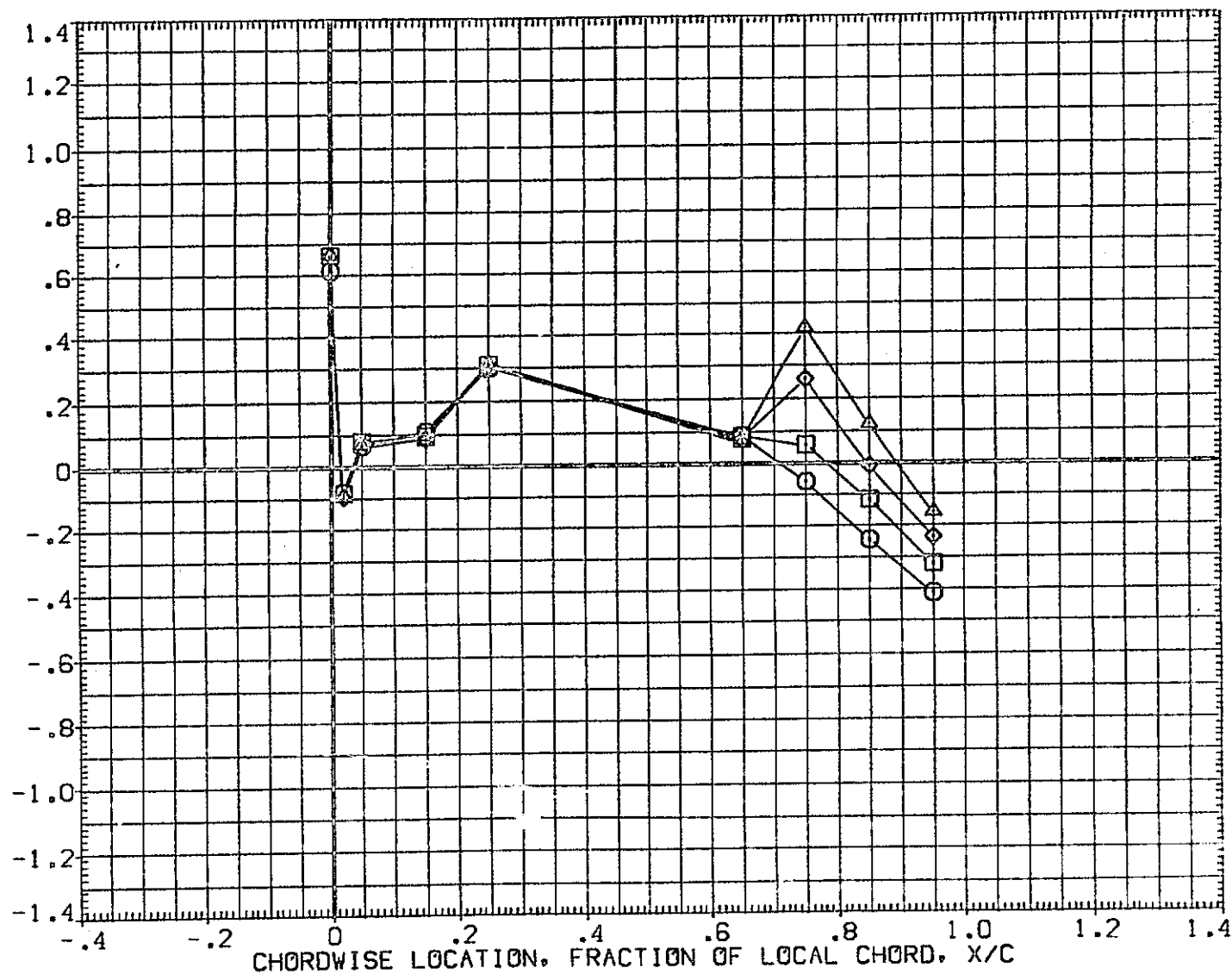


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 2.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	IA7D 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	IA7D 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	IA7D 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	IA7D 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

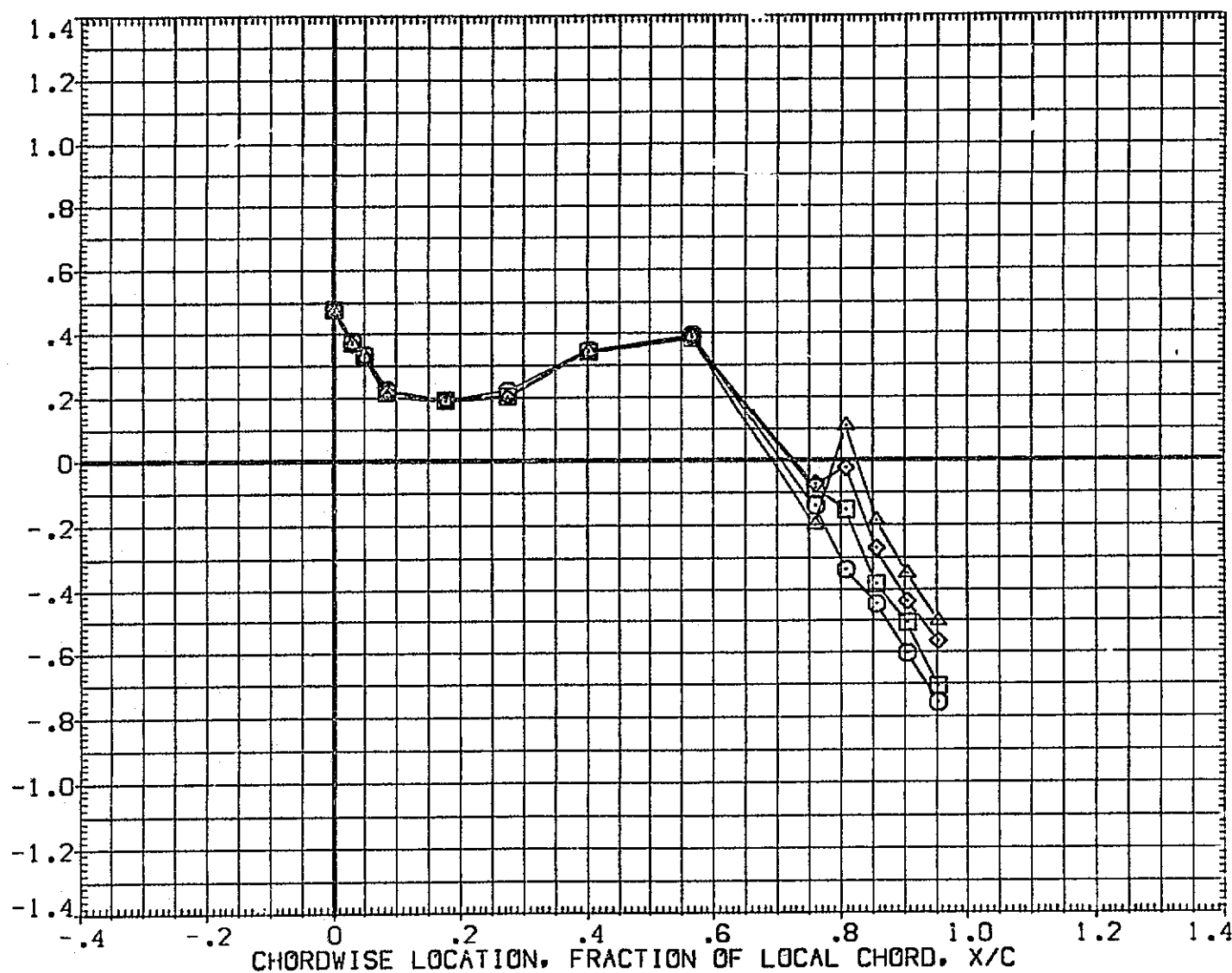


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 4.000 2Y/B = .436

DATA SET SYMOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	4.000	4.000	4.000
(AF7L49)	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	8.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

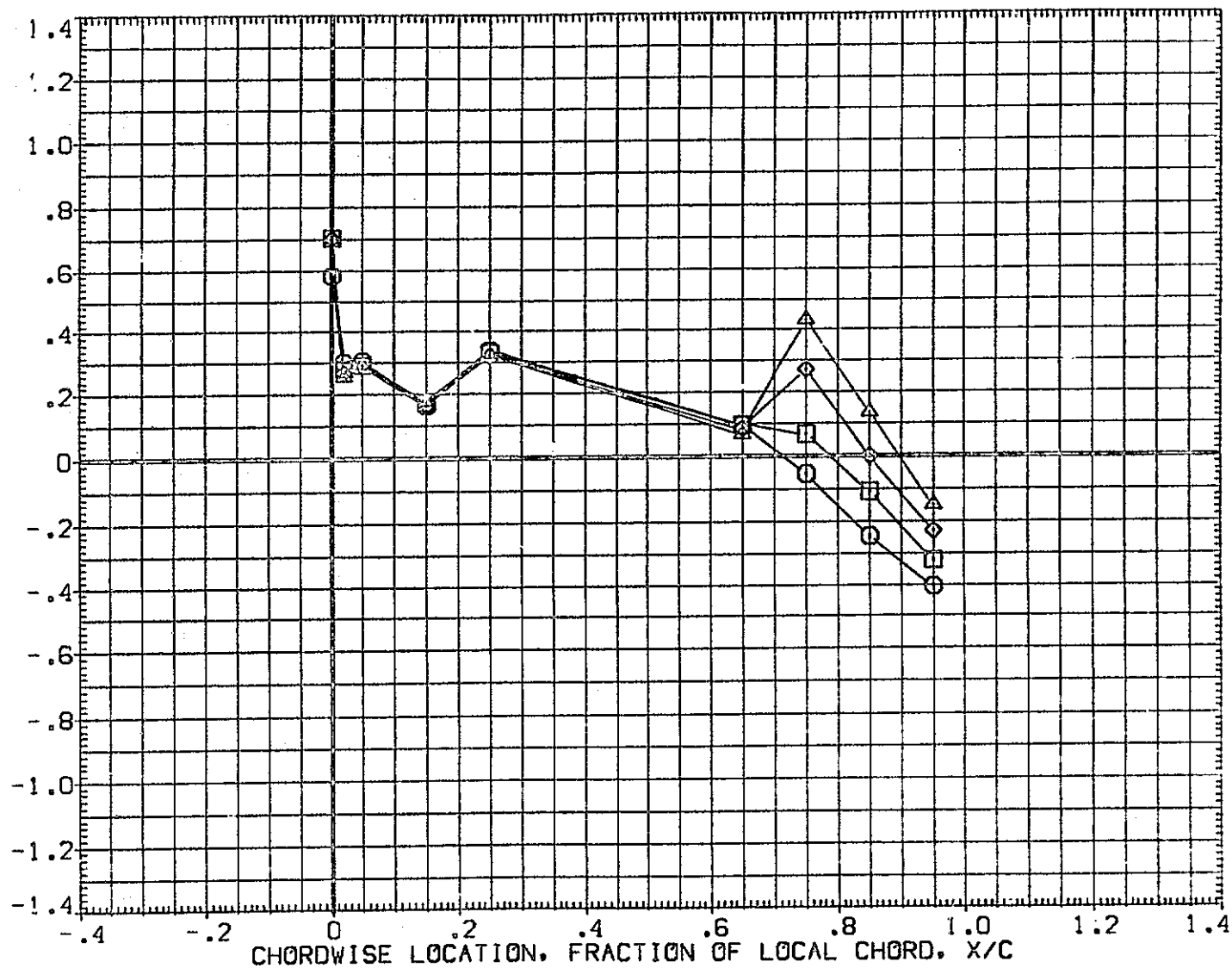


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 4.000 2Y/B = .771 PAGE 534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

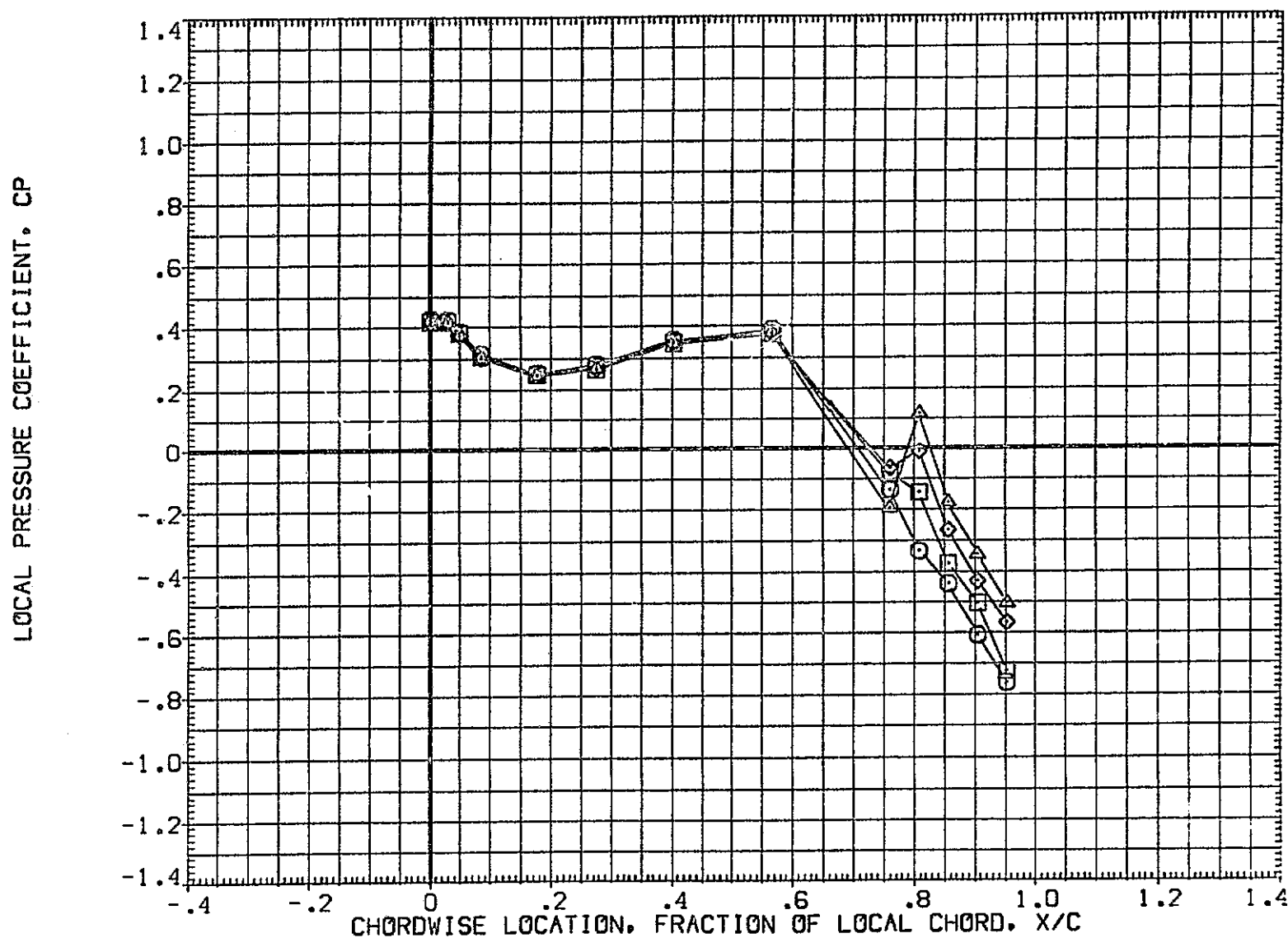


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 6.000 2Y/B = .436 PAGE 535

DATA SET SYMBOL	CON-FIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44] ○	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49] □	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54] ◇	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59] △	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

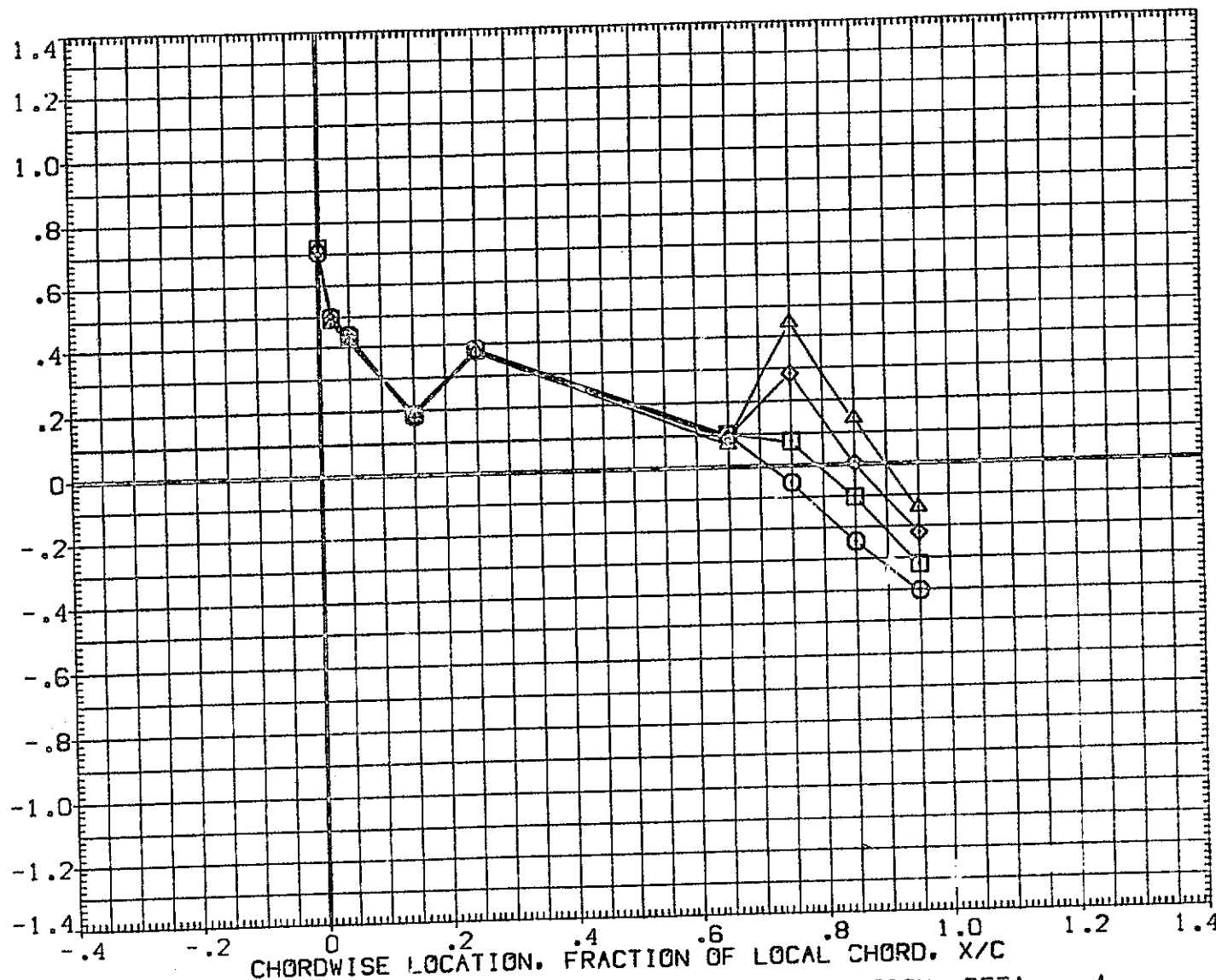


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

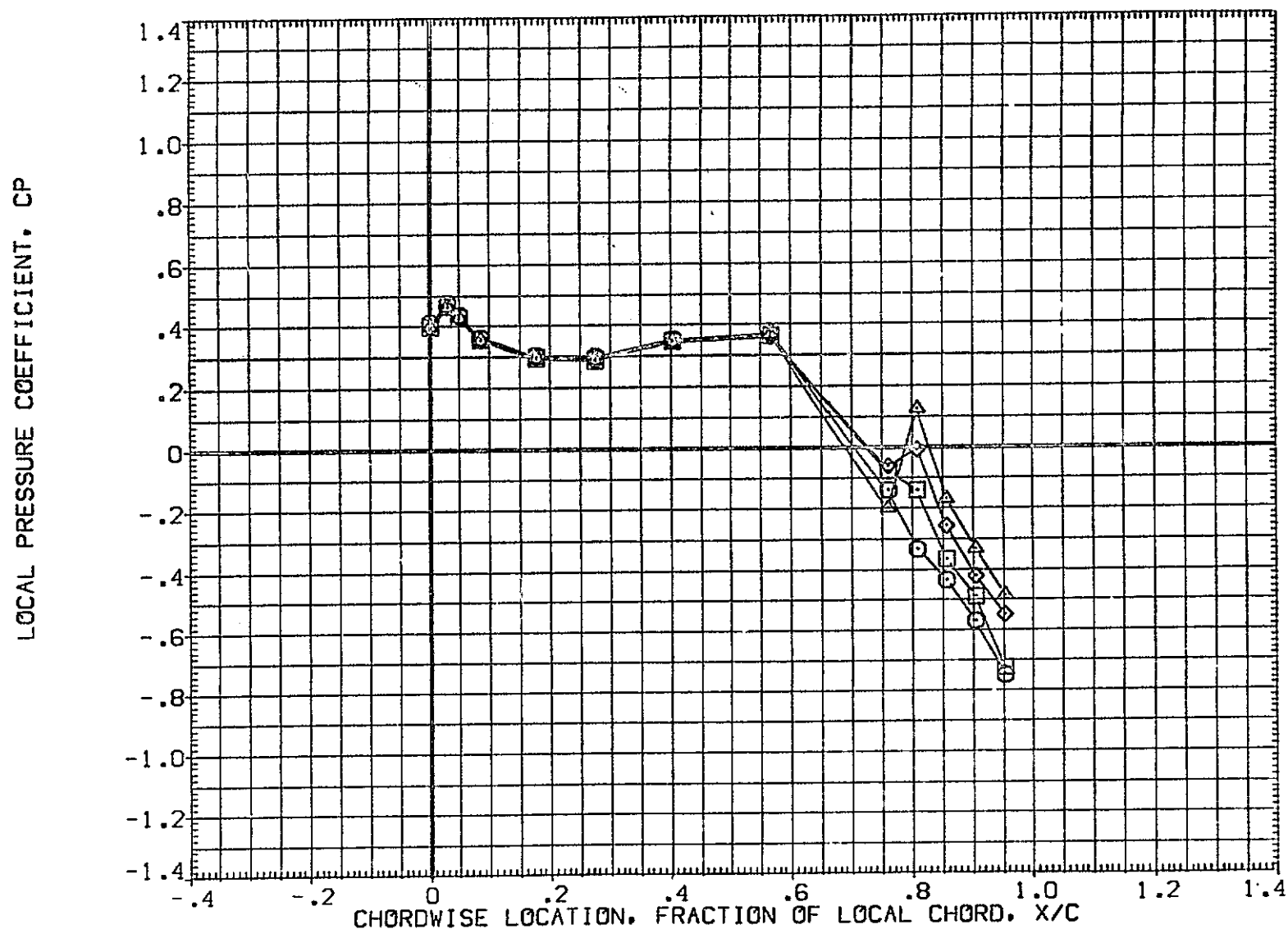


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000

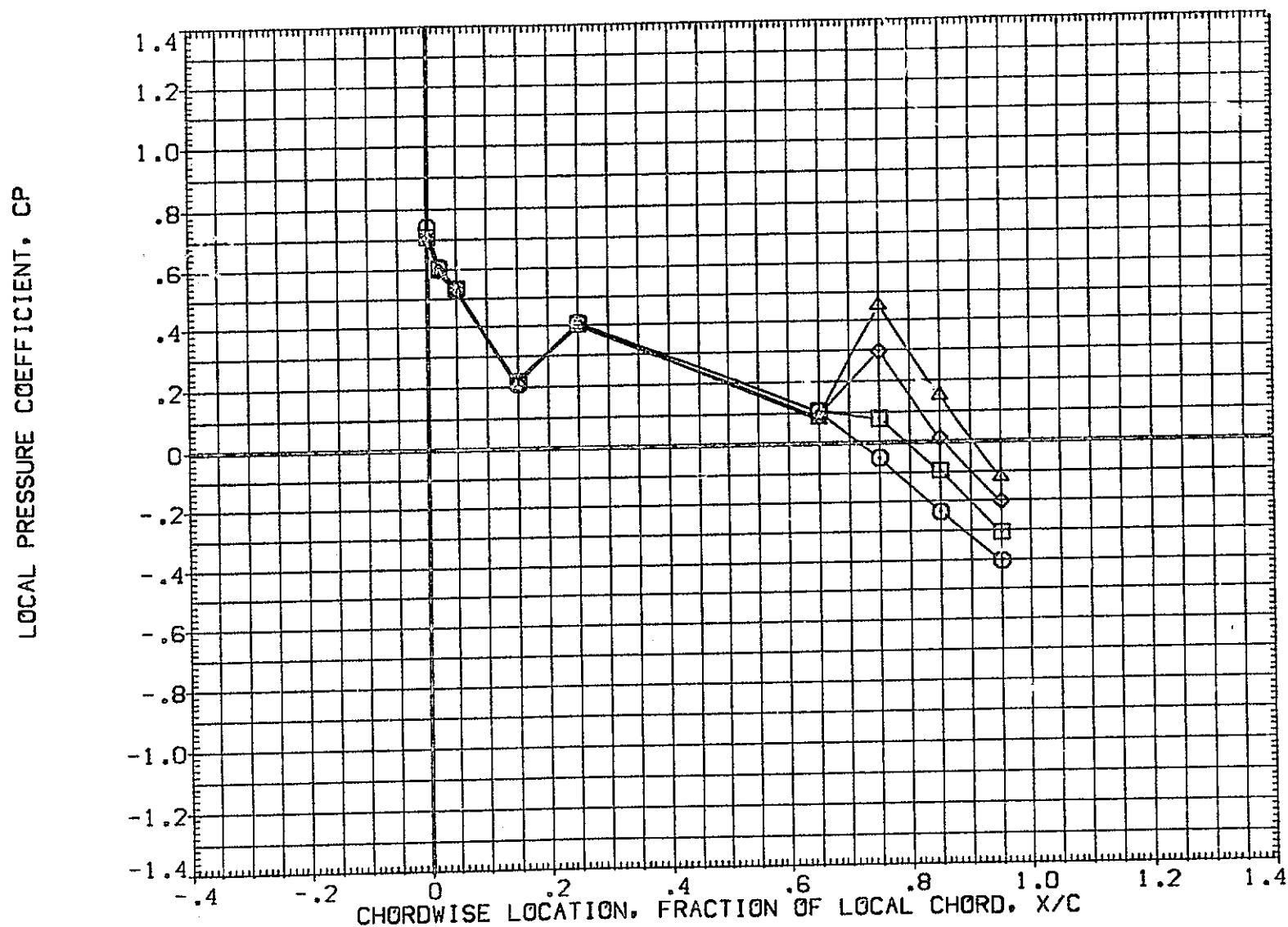


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

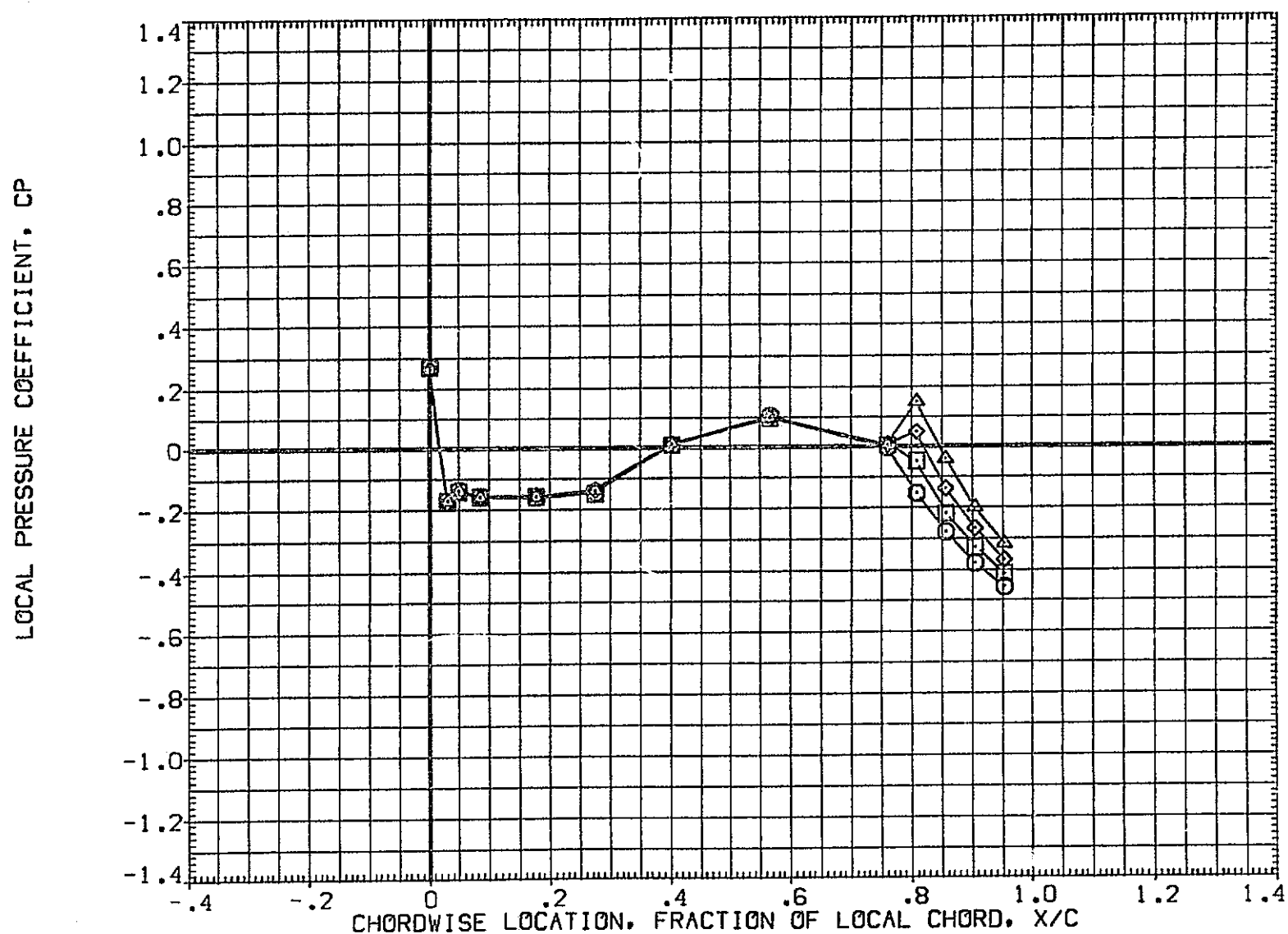


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL		CONFIGURATION DESCRIPTION						ELV-1	ELV-2	ELV-3	ELV-4	
[AF7L44]	○	1A70	01	T12	S1	P2	P3	WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	□	1A70	01	T12	S1	P2	P3	WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	◇	1A70	01	T12	S1	P2	P3	WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	△	1A70	01	T12	S1	P2	P3	WING LOWER SURFACE	8.000	12.000	12.000	12.000

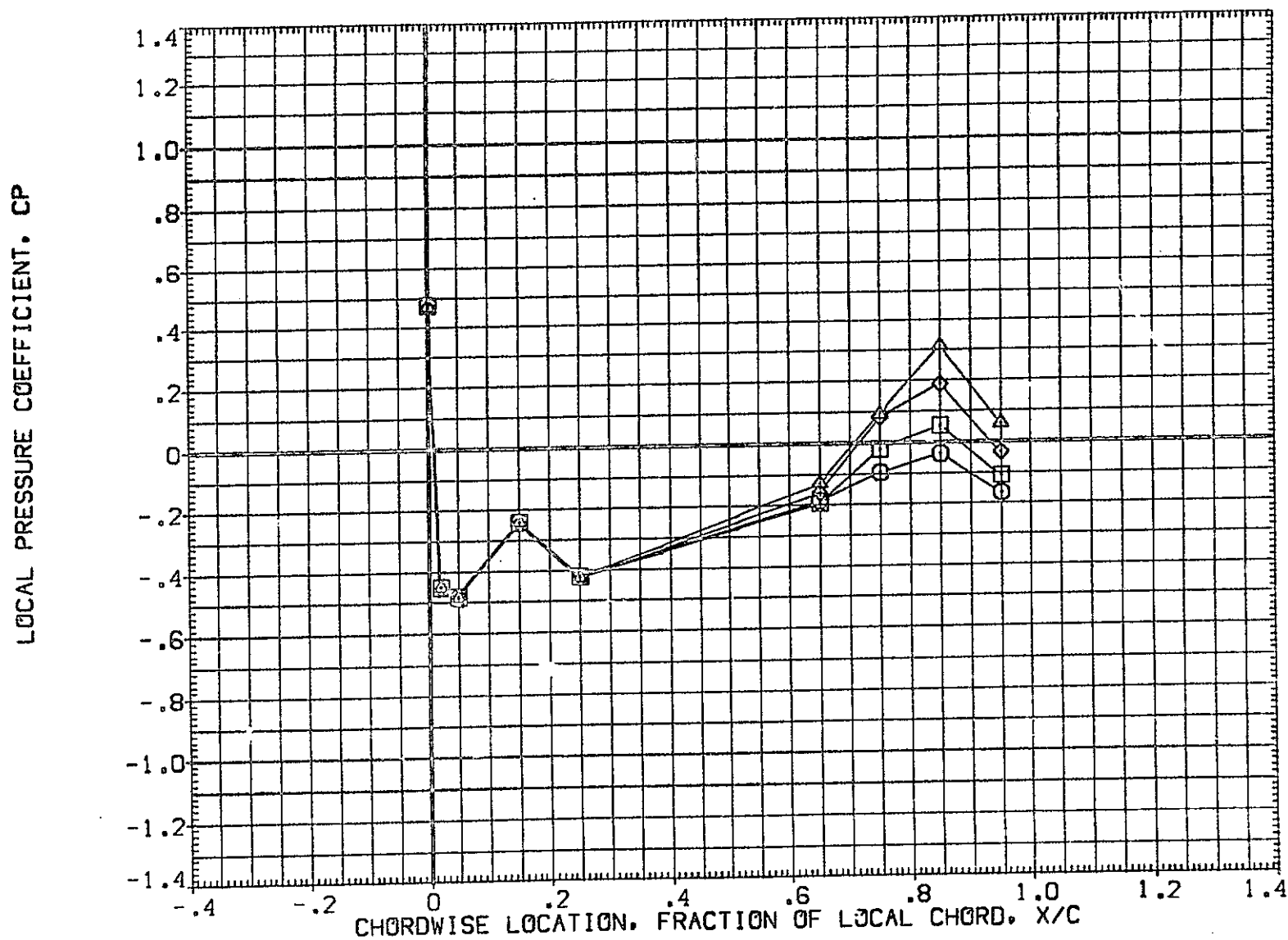


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -8.000 2Y/B = .771 PAGE 540

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

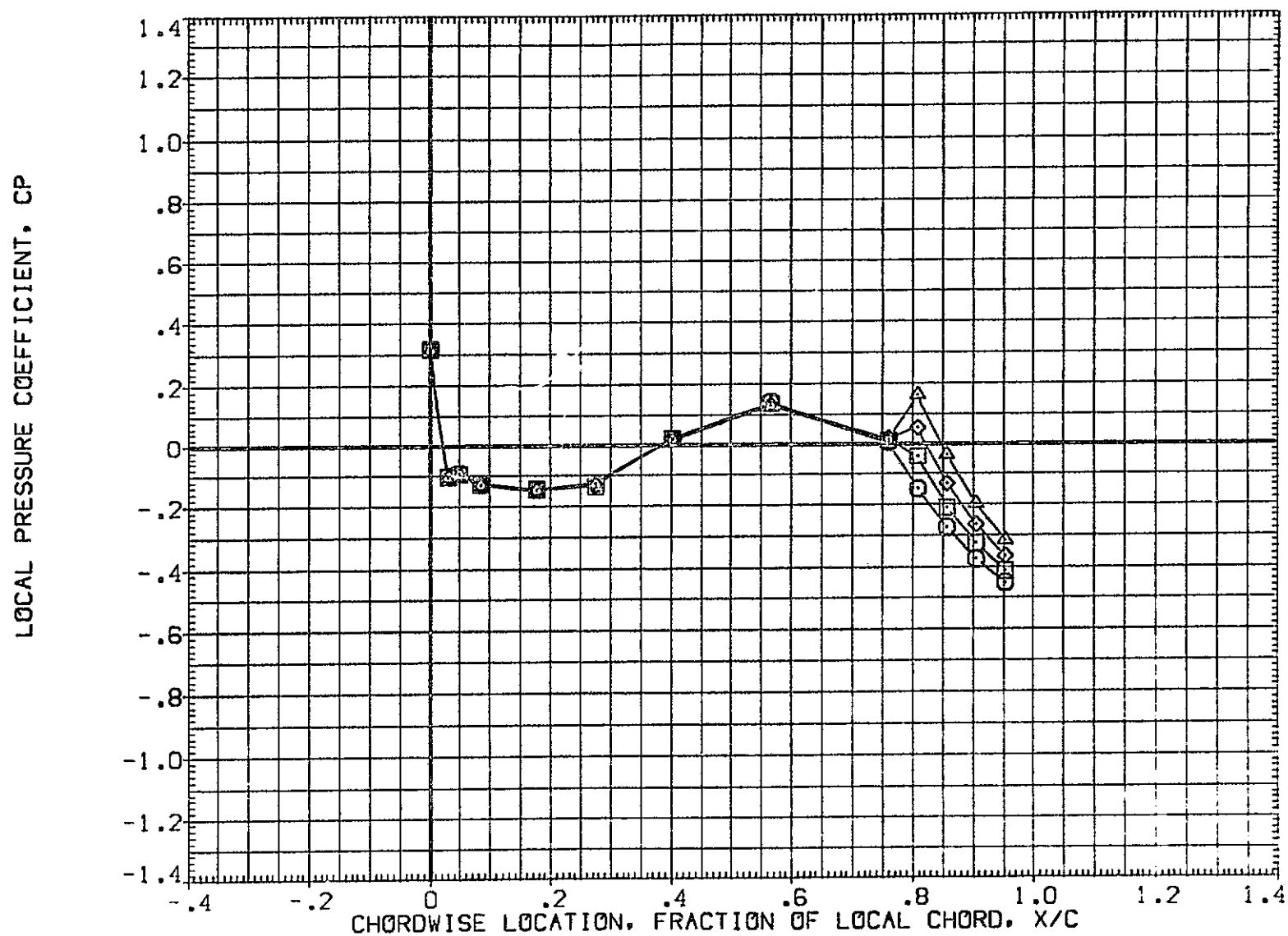


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -6.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

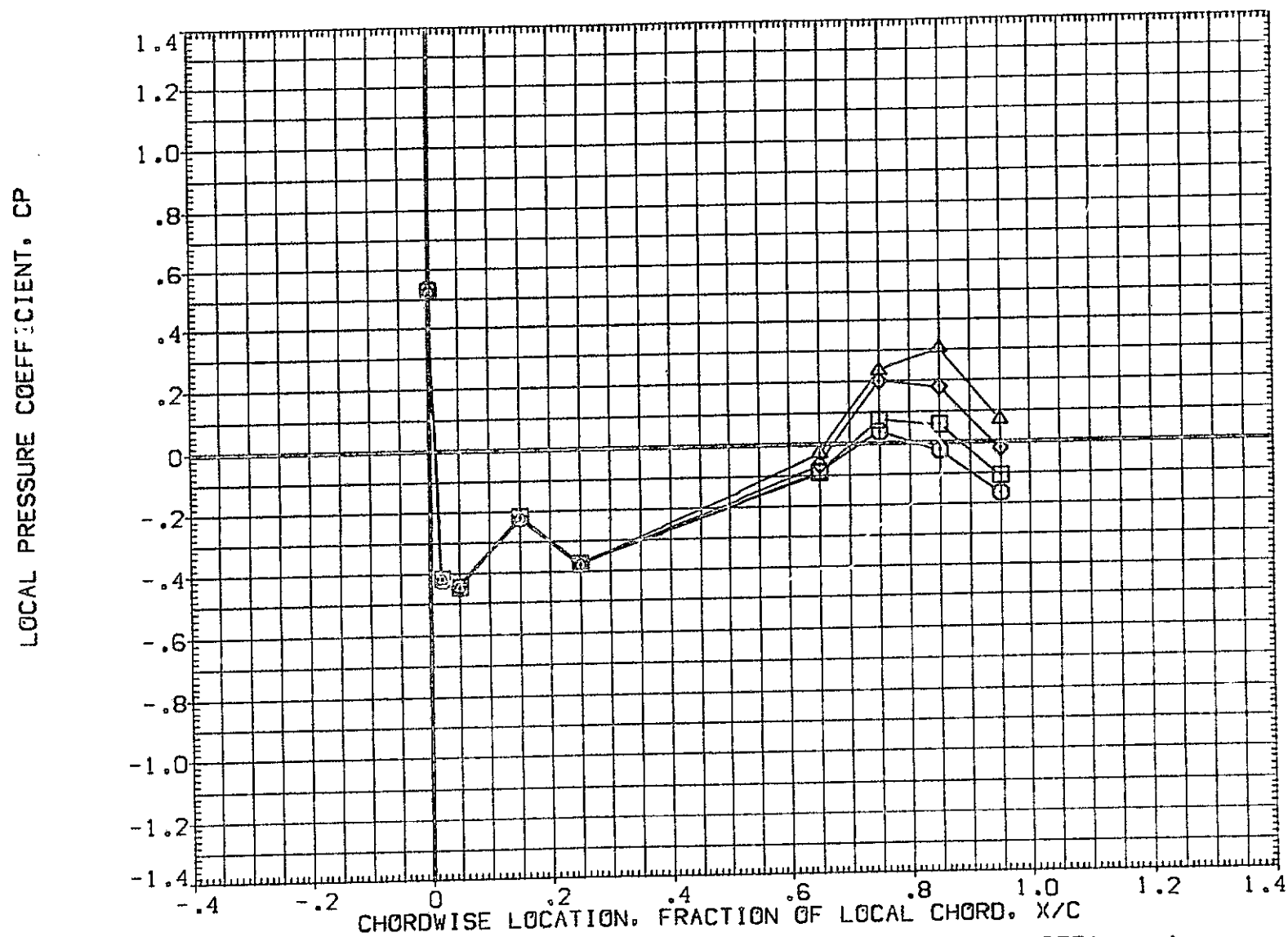


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

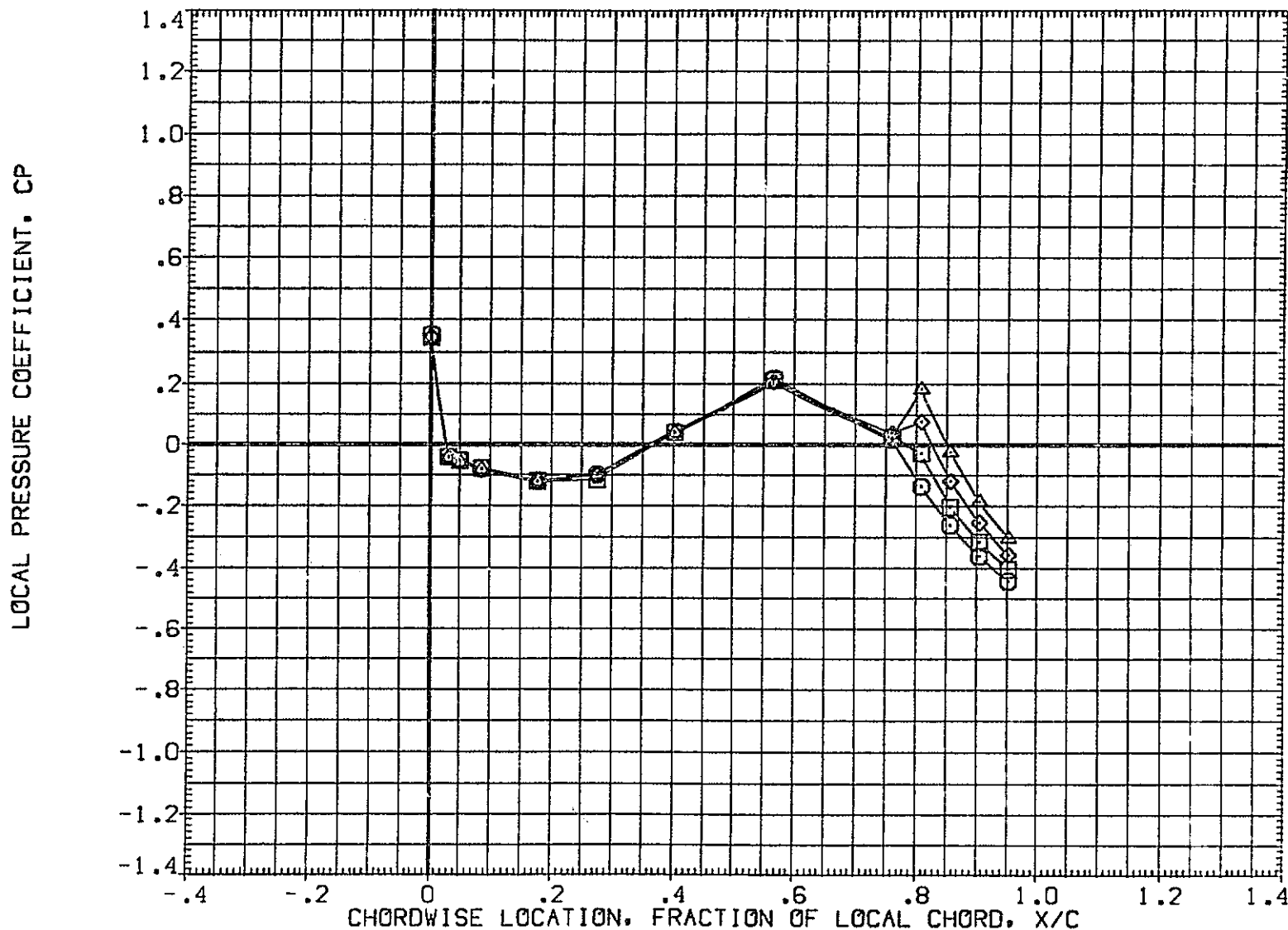


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -4.000 2Y/B = .436

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DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	○	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000
{AF7L49}	□	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000
{AF7L54}	◇	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000
{AF7L59}	△	1A70	01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000

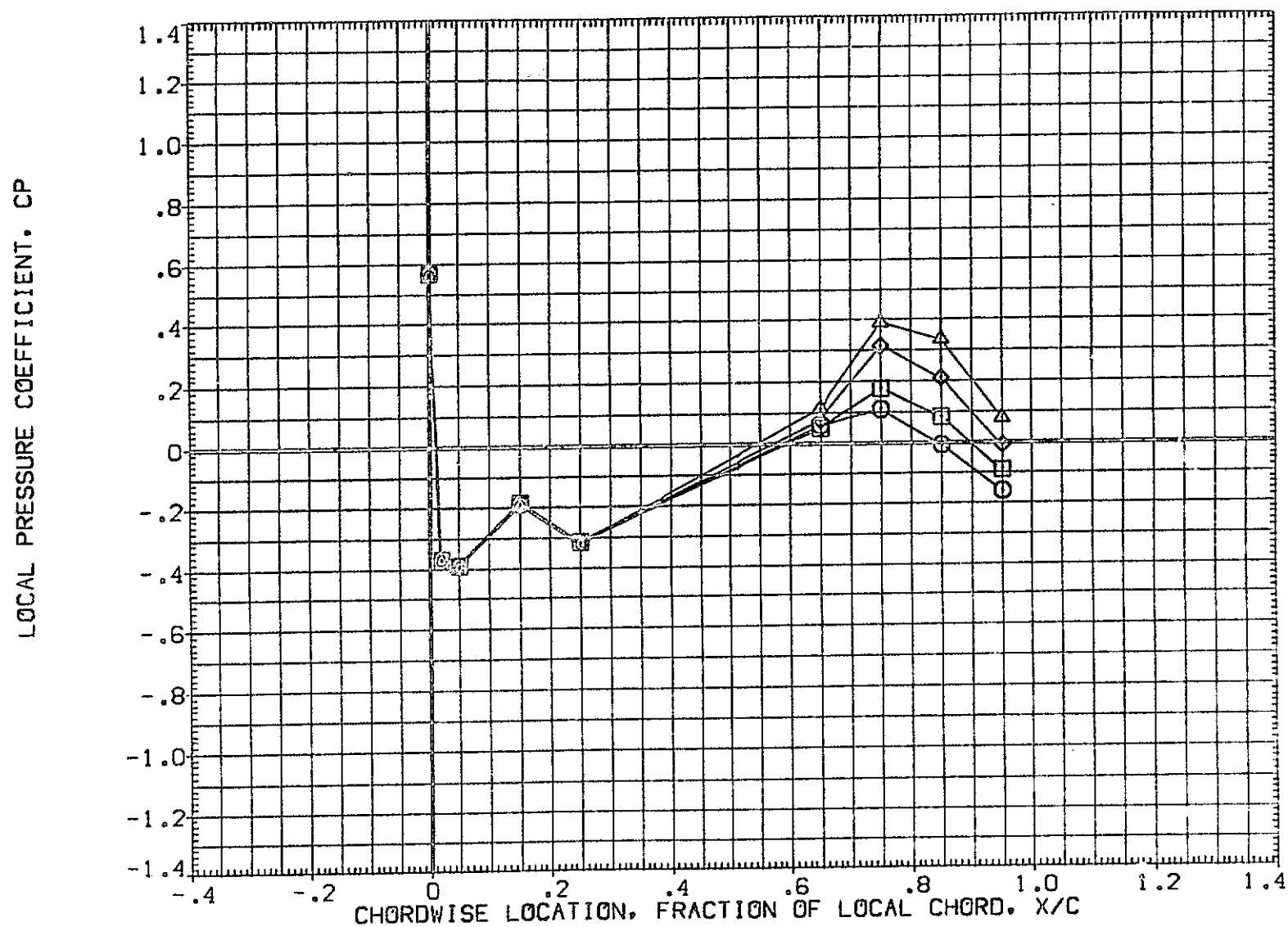


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

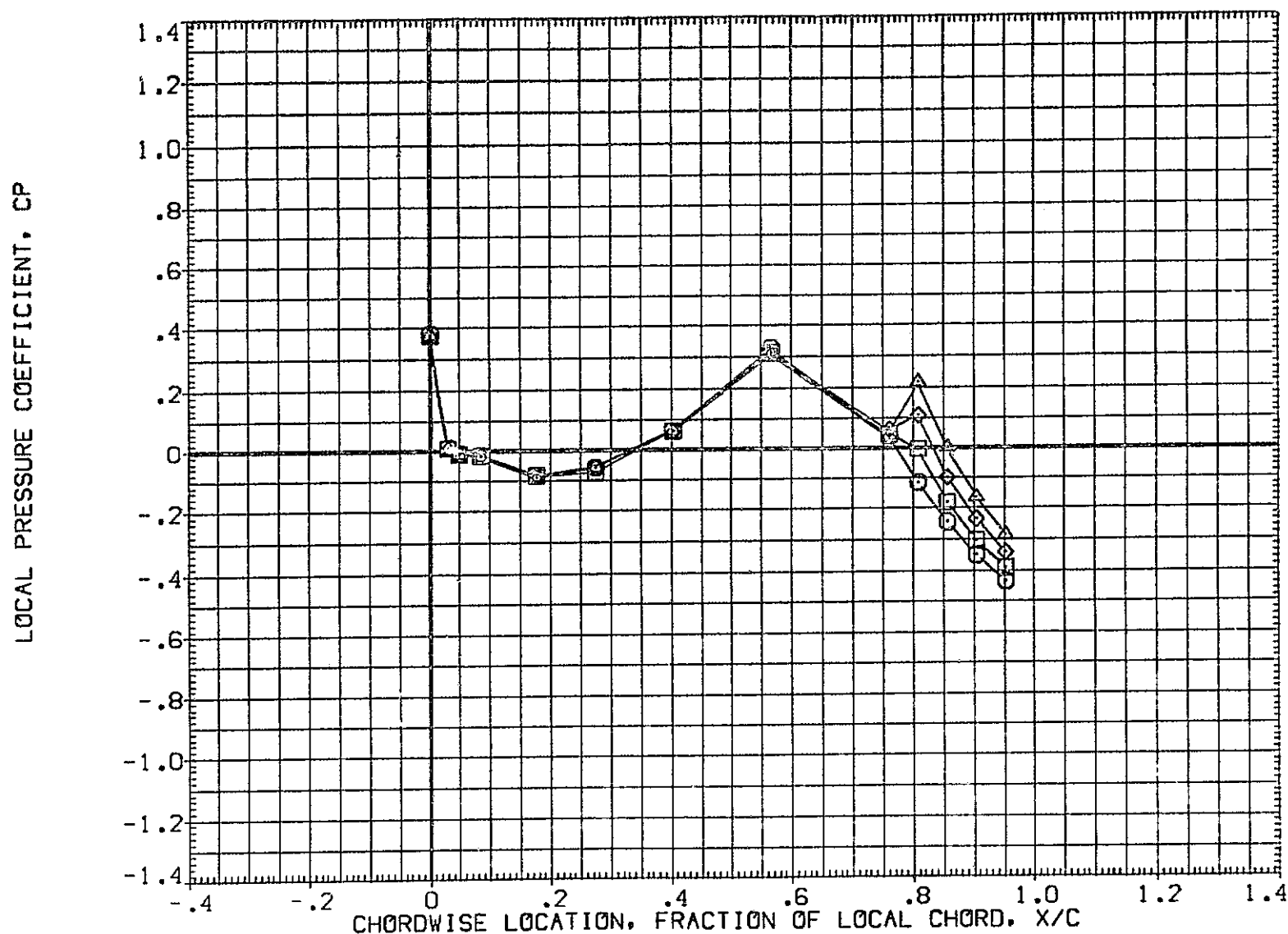


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -2.000 2Y/B = .436 PAGE 545

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	WING LOWER SURFACE	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8	WING LOWER SURFACE	12.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

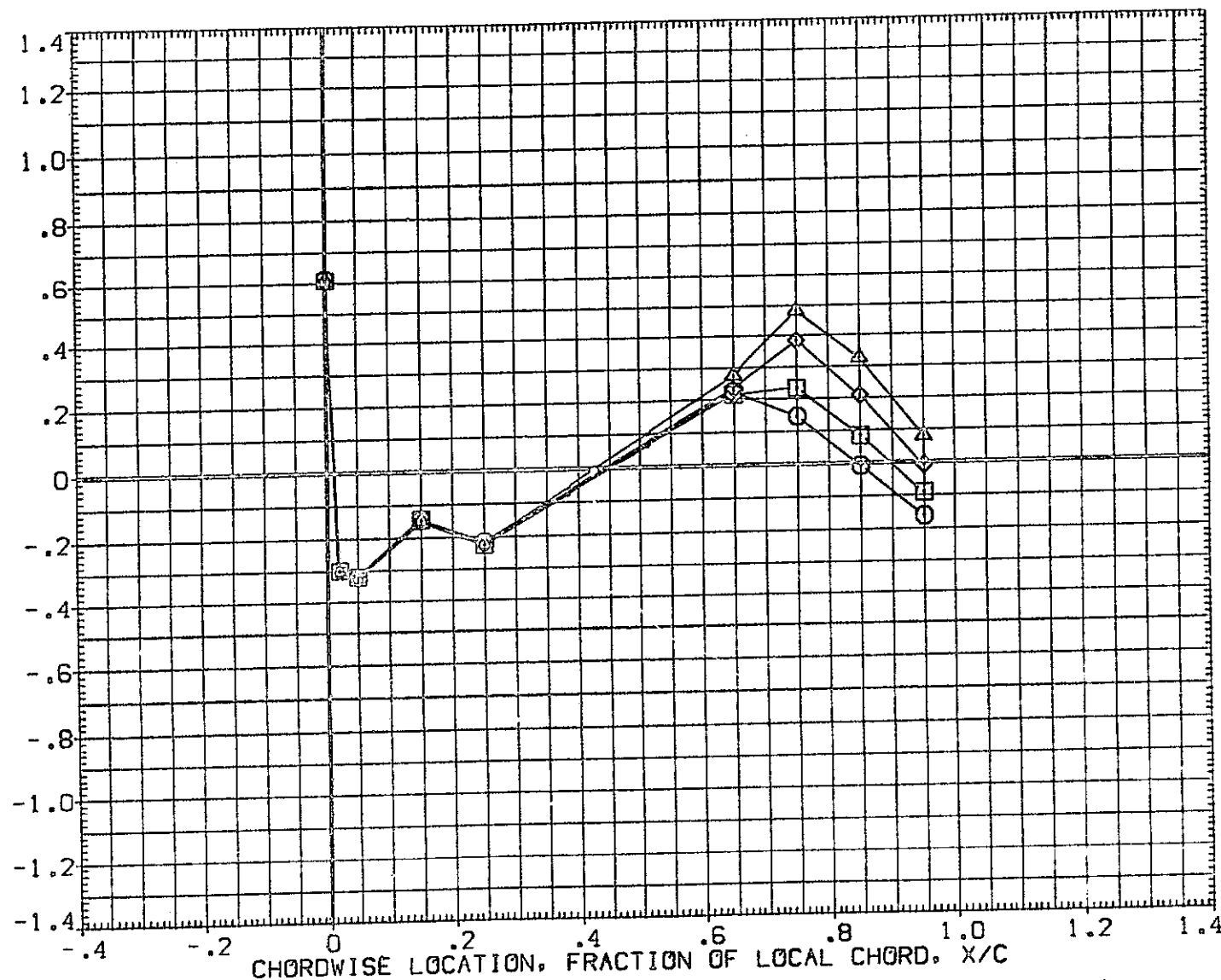


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -2.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	○	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
[AF7L49]	□	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
[AF7L54]	◇	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
[AF7L59]	△	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

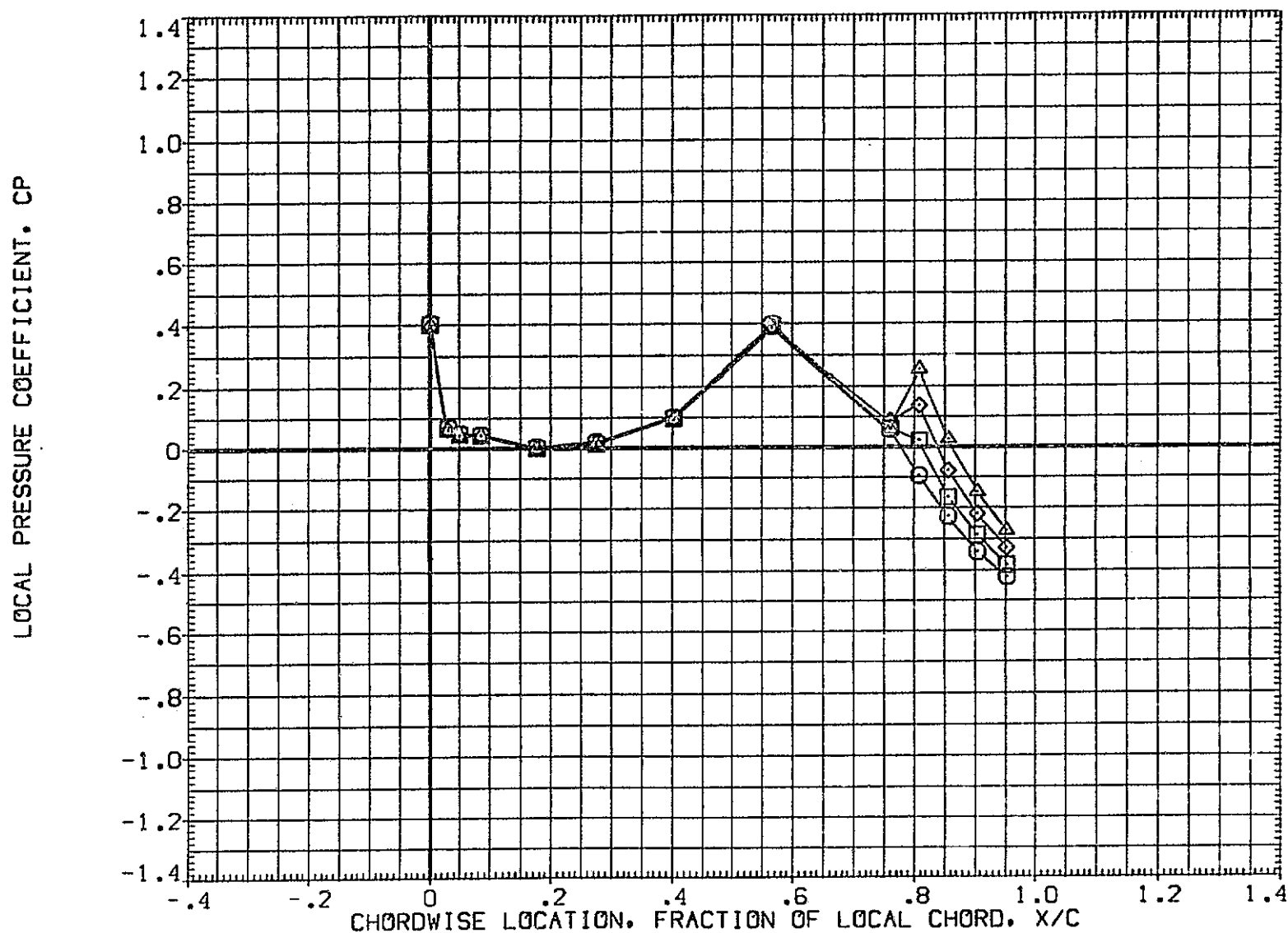


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = .000 2Y/B = .436 PAGE 547

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	WING LOWER SURFACE	ELV-1	ELV-2	ELV-3	ELV-4
{AF7L44}	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	.000	.000	.000	.000
{AF7L49}	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	4.000	4.000	4.000	4.000
{AF7L54}	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	8.000	8.000	8.000
{AF7L59}	1A70 01 T12 S1 P2 P8	WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

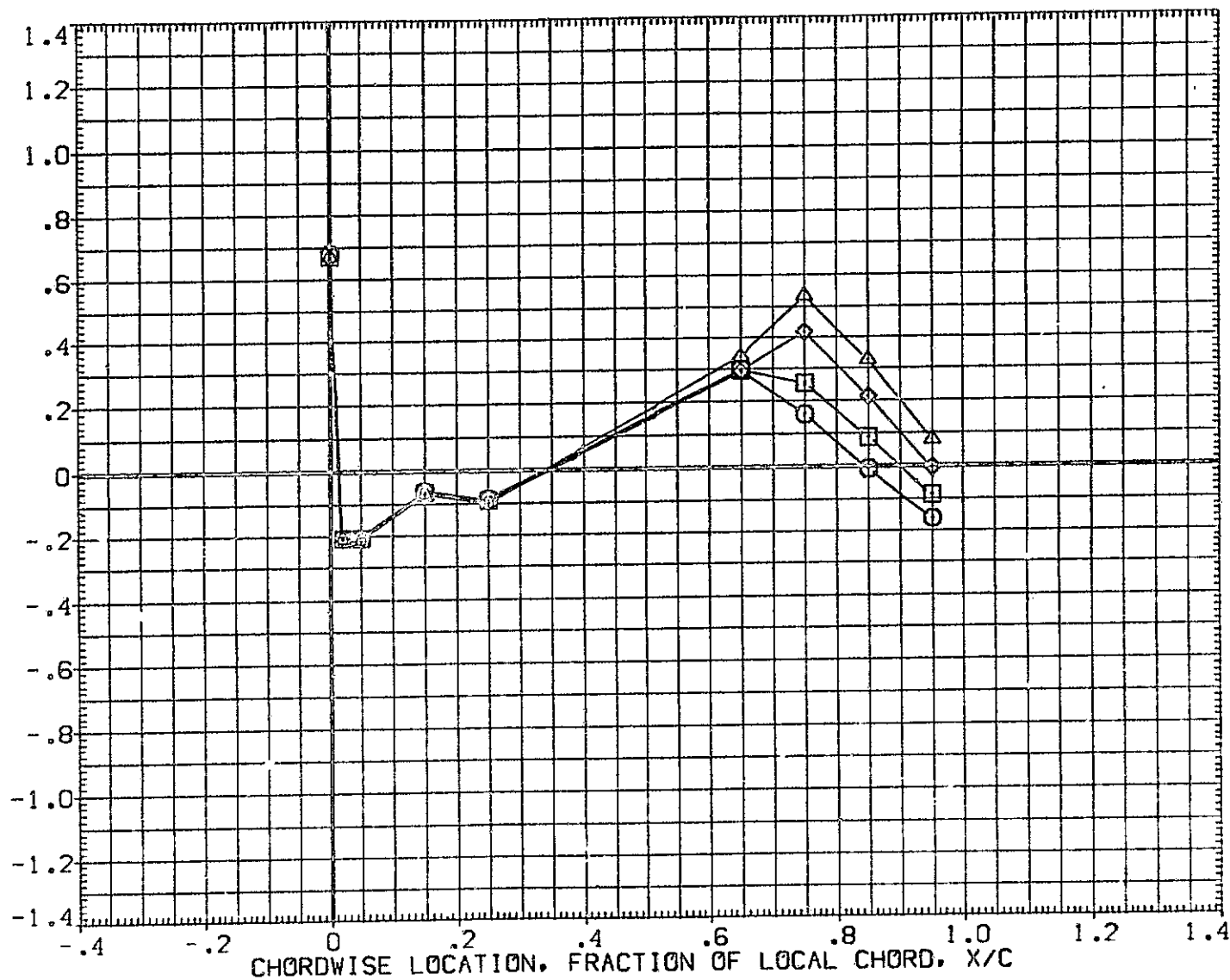


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = .000 2Y/B = .771 PAGE 548

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

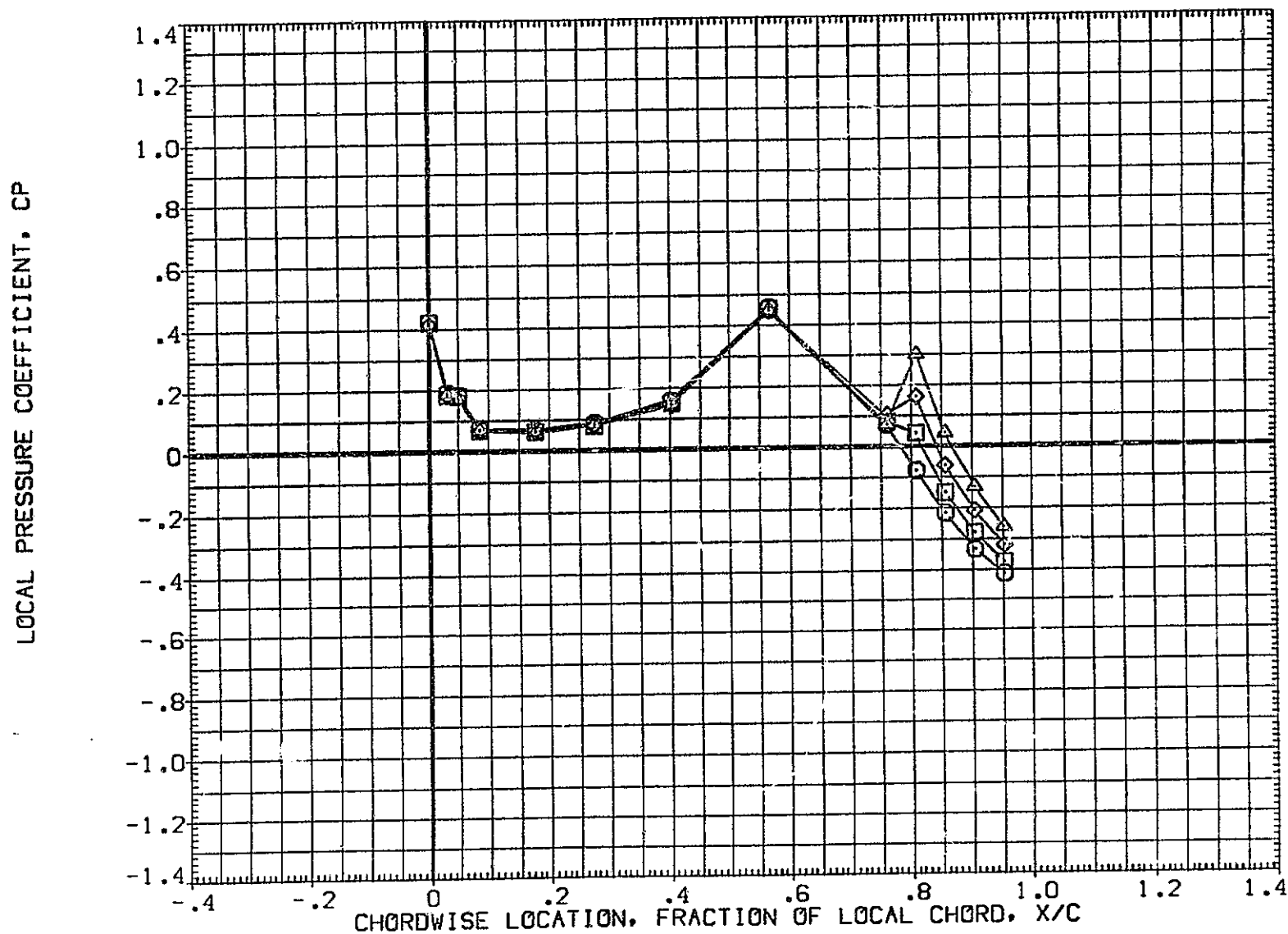


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44] □	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	.000	.000	.000
[AF7L49] □	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	4.000	4.000	4.000
[AF7L54] ◇	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	8.000	8.000	8.000
[AF7L53] △	1A70 01 T12 S1 P2 P3	WING LOWER SURFACE	8.000	12.000	12.000

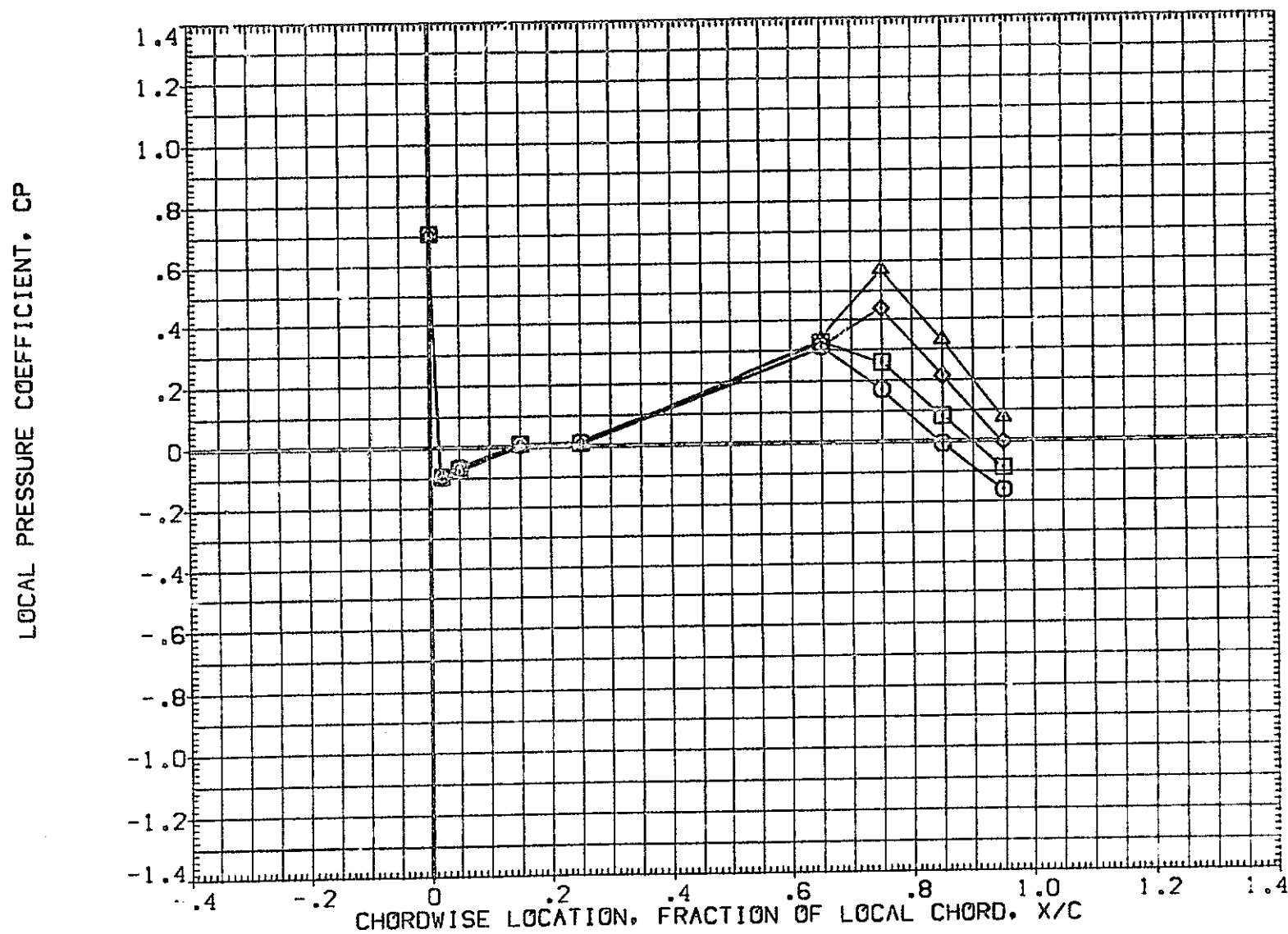


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

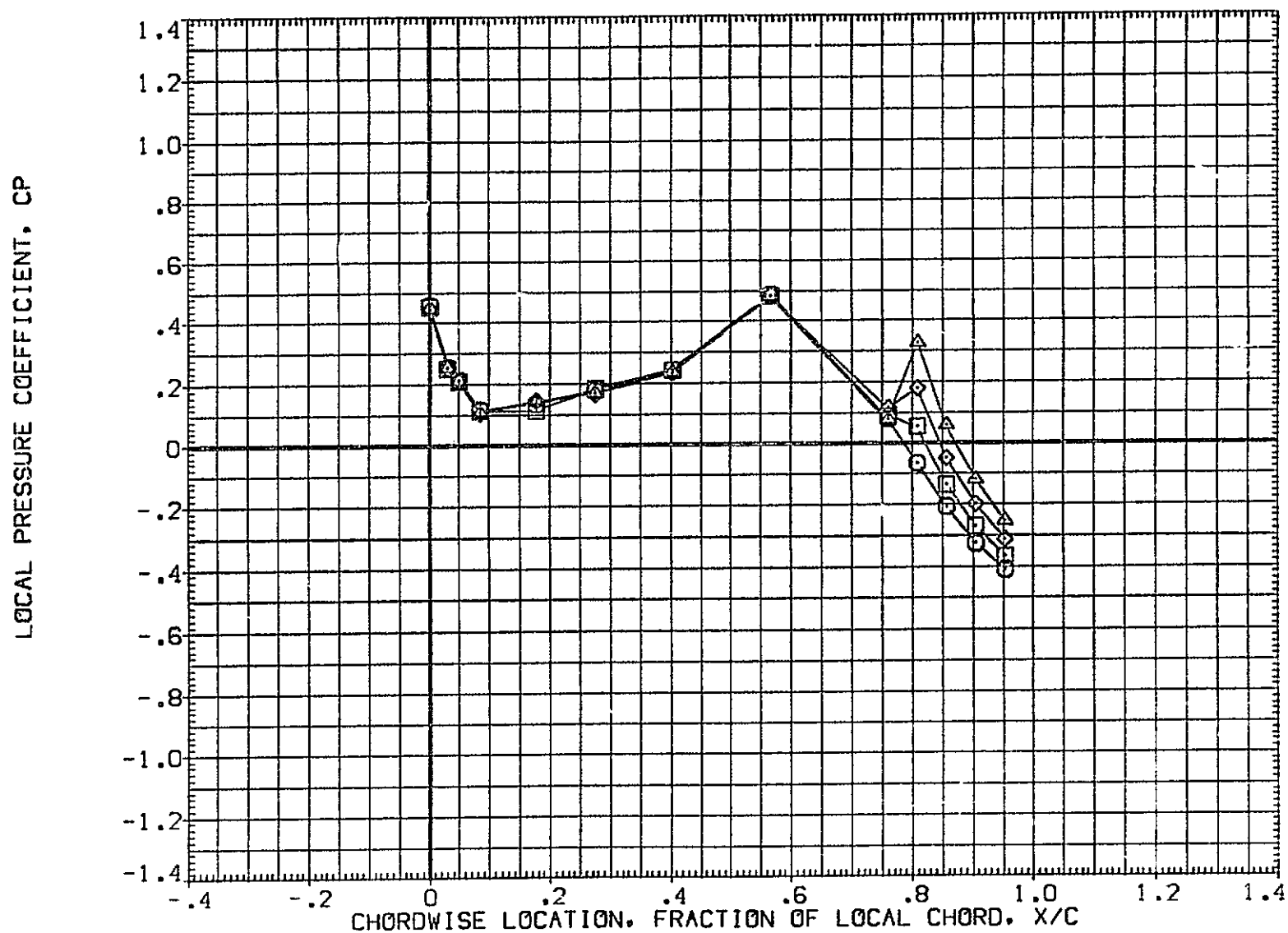


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8	0.000	0.000	0.000	0.000
(AF7L49)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

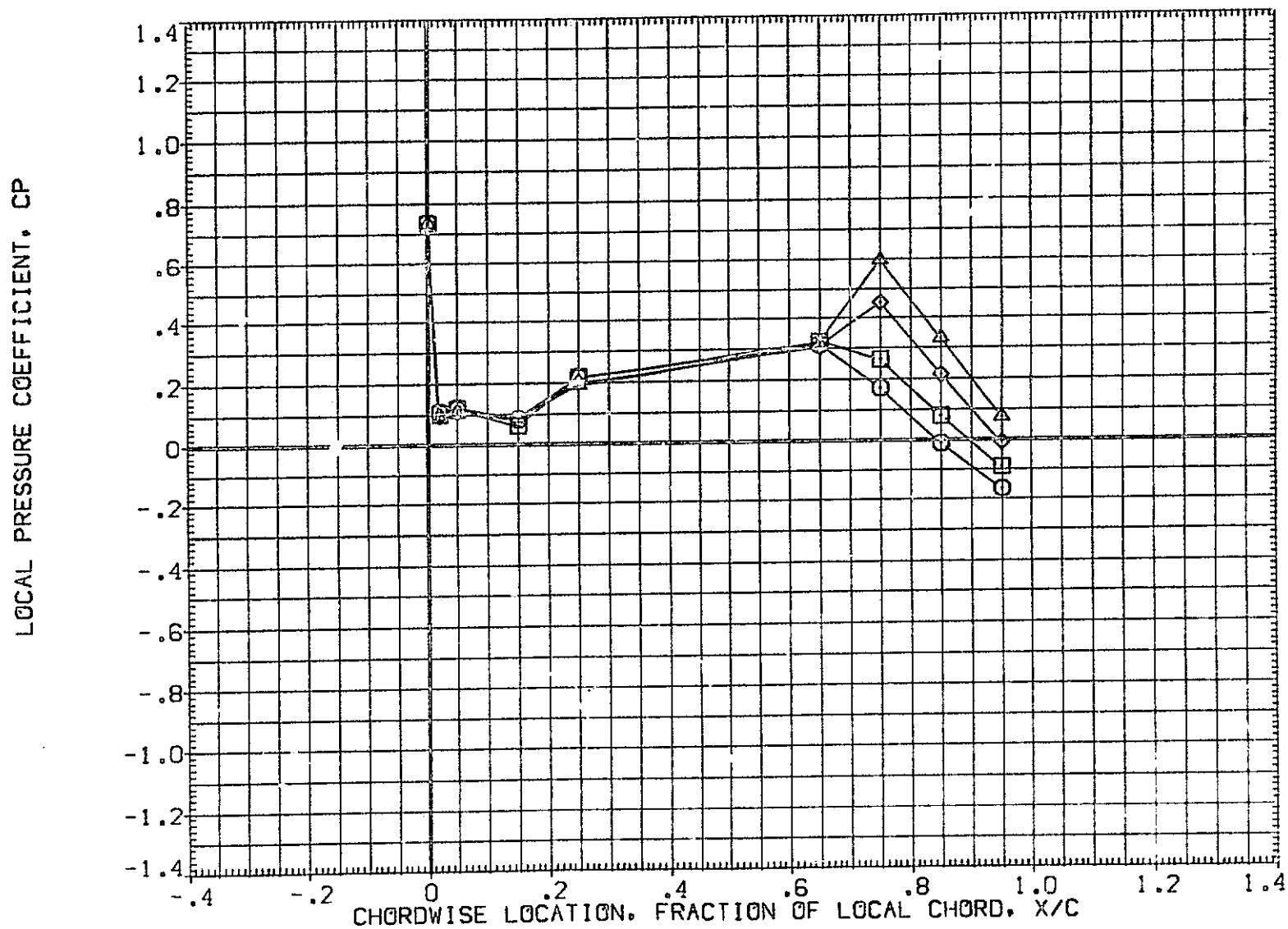


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 4.000 2Y/B = .771 PAGE 552

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7L44]	IA70 01 T12 S1 P2 P8	.000	.000	.000	.000
[AF7L49]	IA70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
[AF7L54]	IA70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
[AF7L59]	IA70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

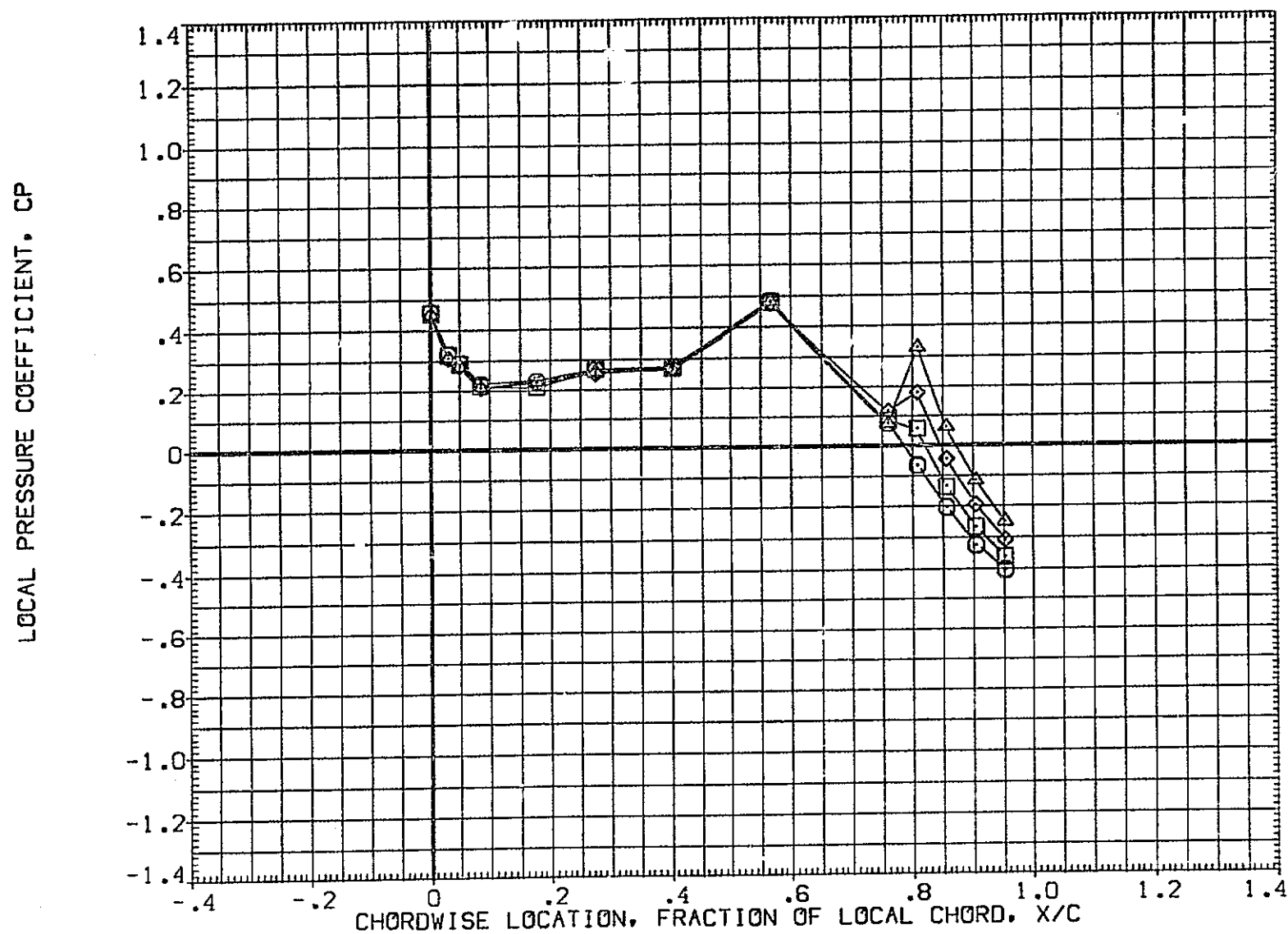


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

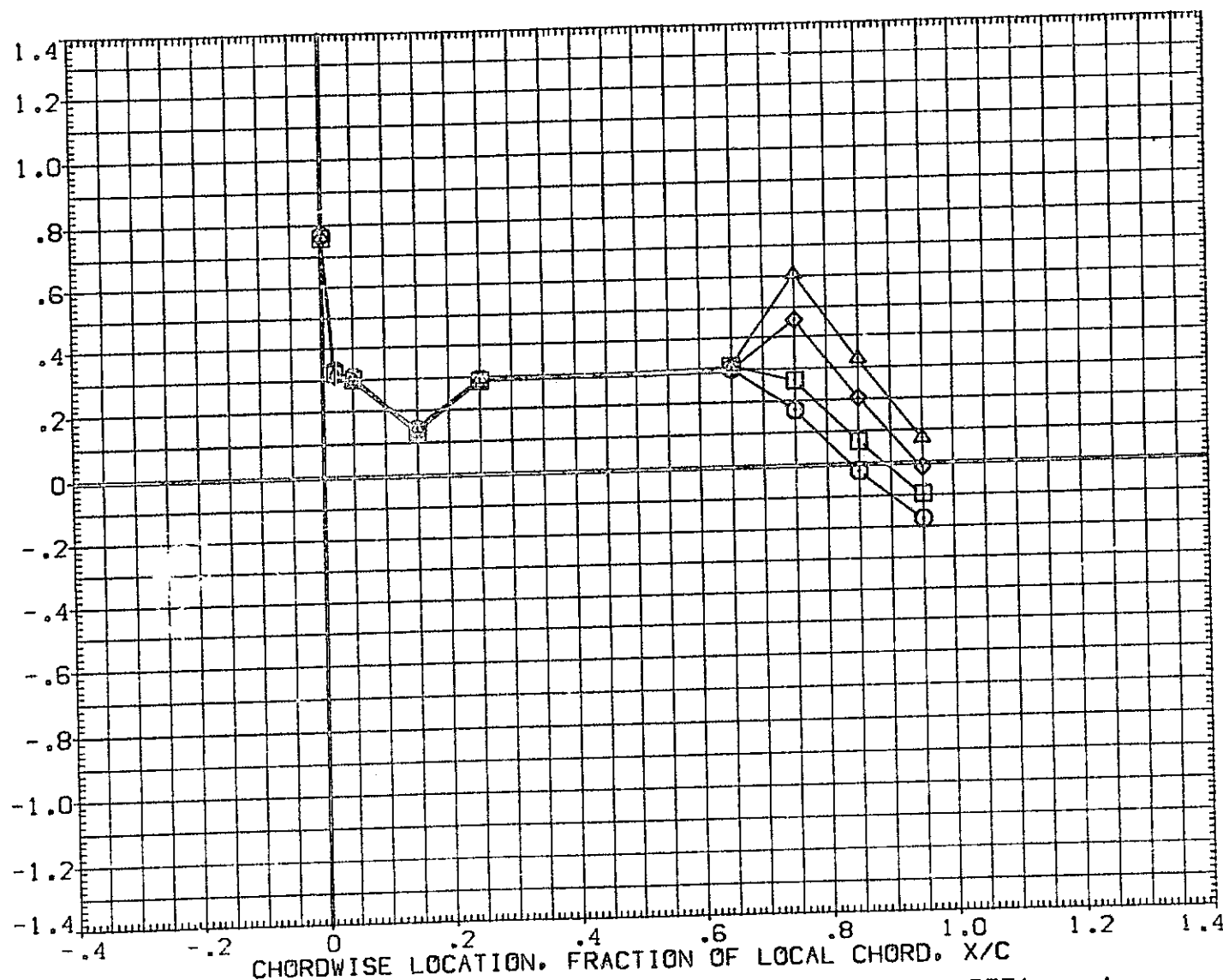


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	1A70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

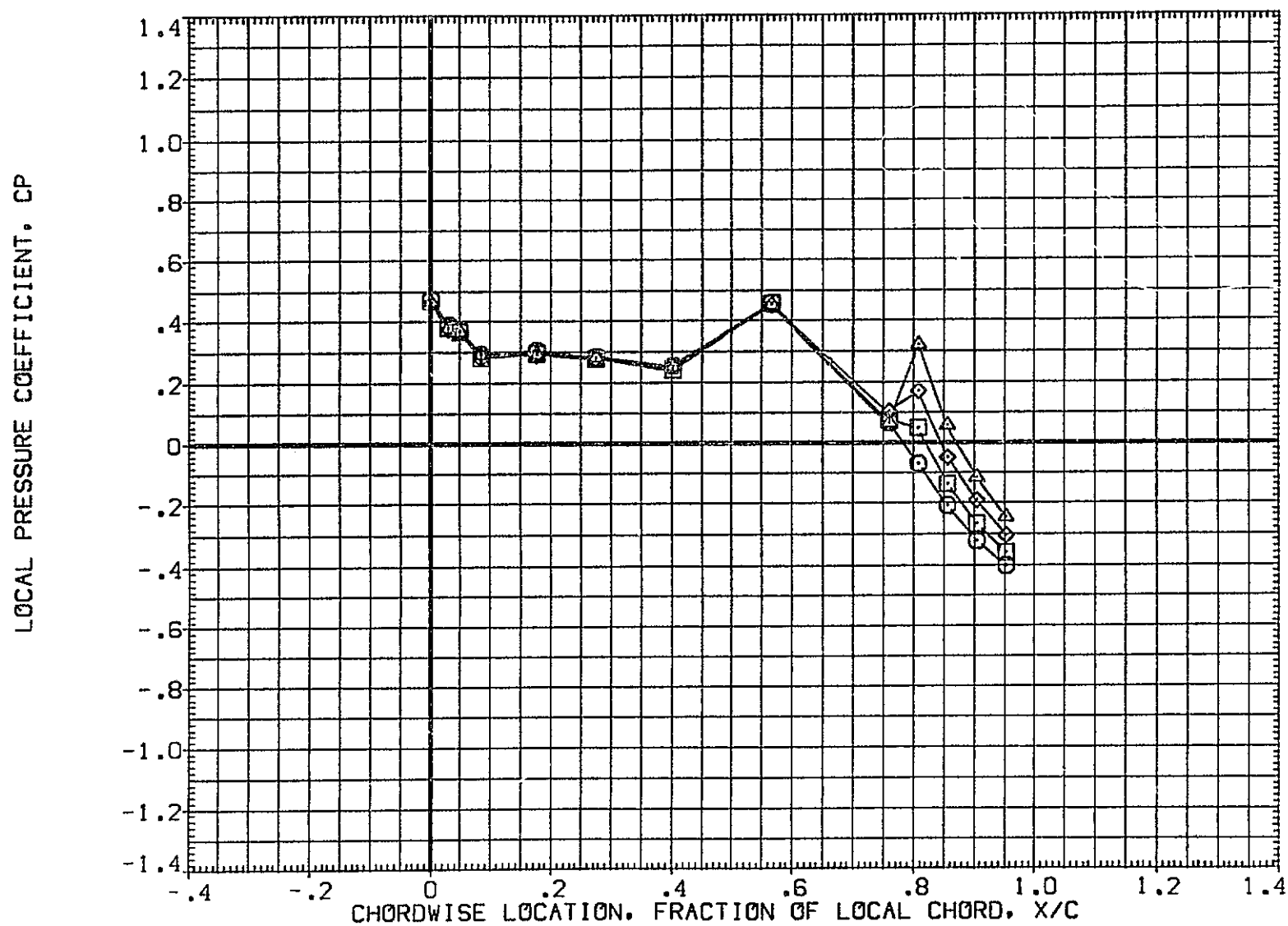


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 8.000 2Y/B = .436 PAGE 555

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7L44)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	.000	.000	.000	.000
(AF7L49)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	4.000	4.000	4.000	4.000
(AF7L54)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	8.000	8.000	8.000
(AF7L59)	IA70 01 T12 S1 P2 P8 WING LOWER SURFACE	8.000	12.000	12.000	12.000

LOCAL PRESSURE COEFFICIENT, CP

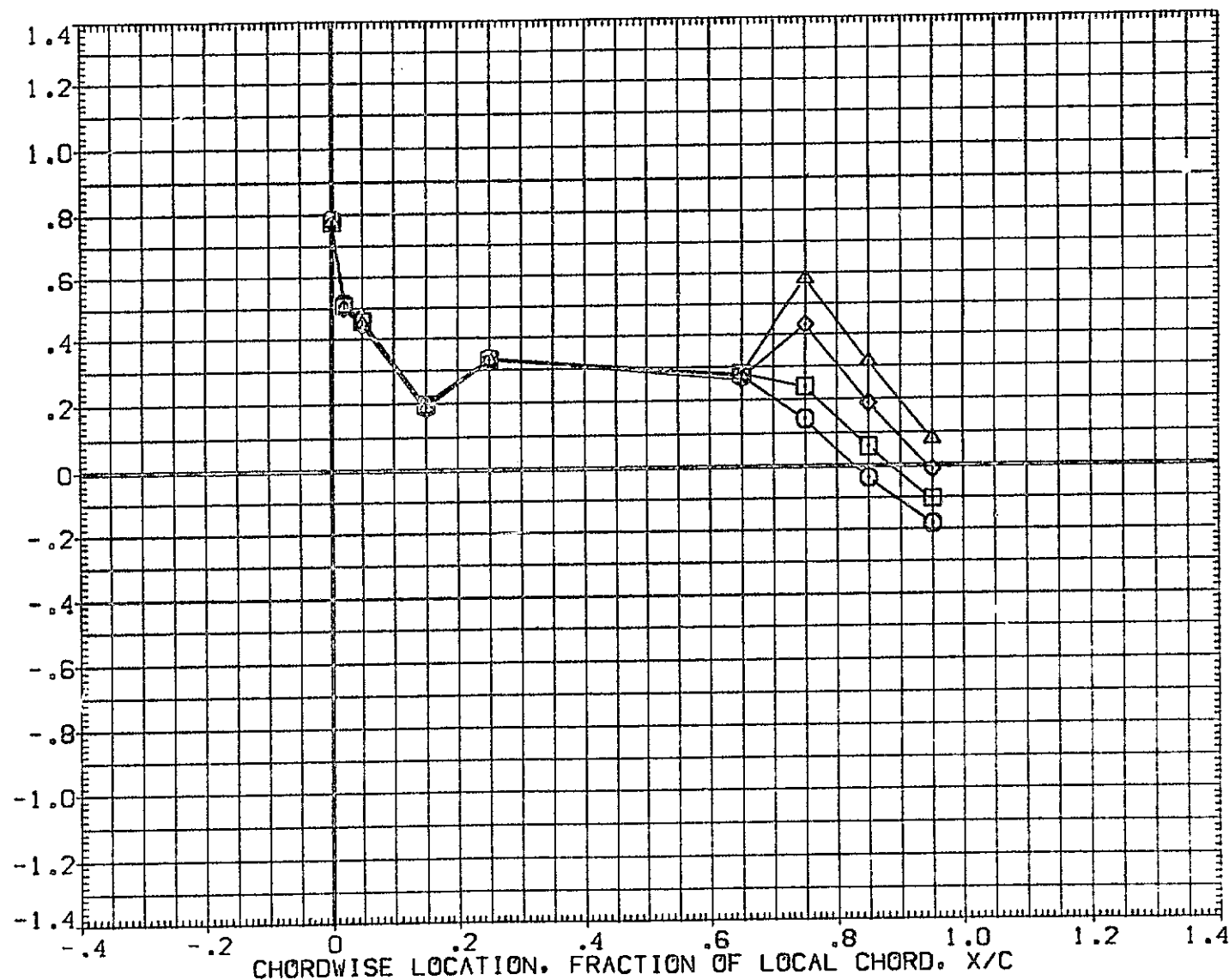


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 8.000 2Y/B = .771 PAGE 556

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

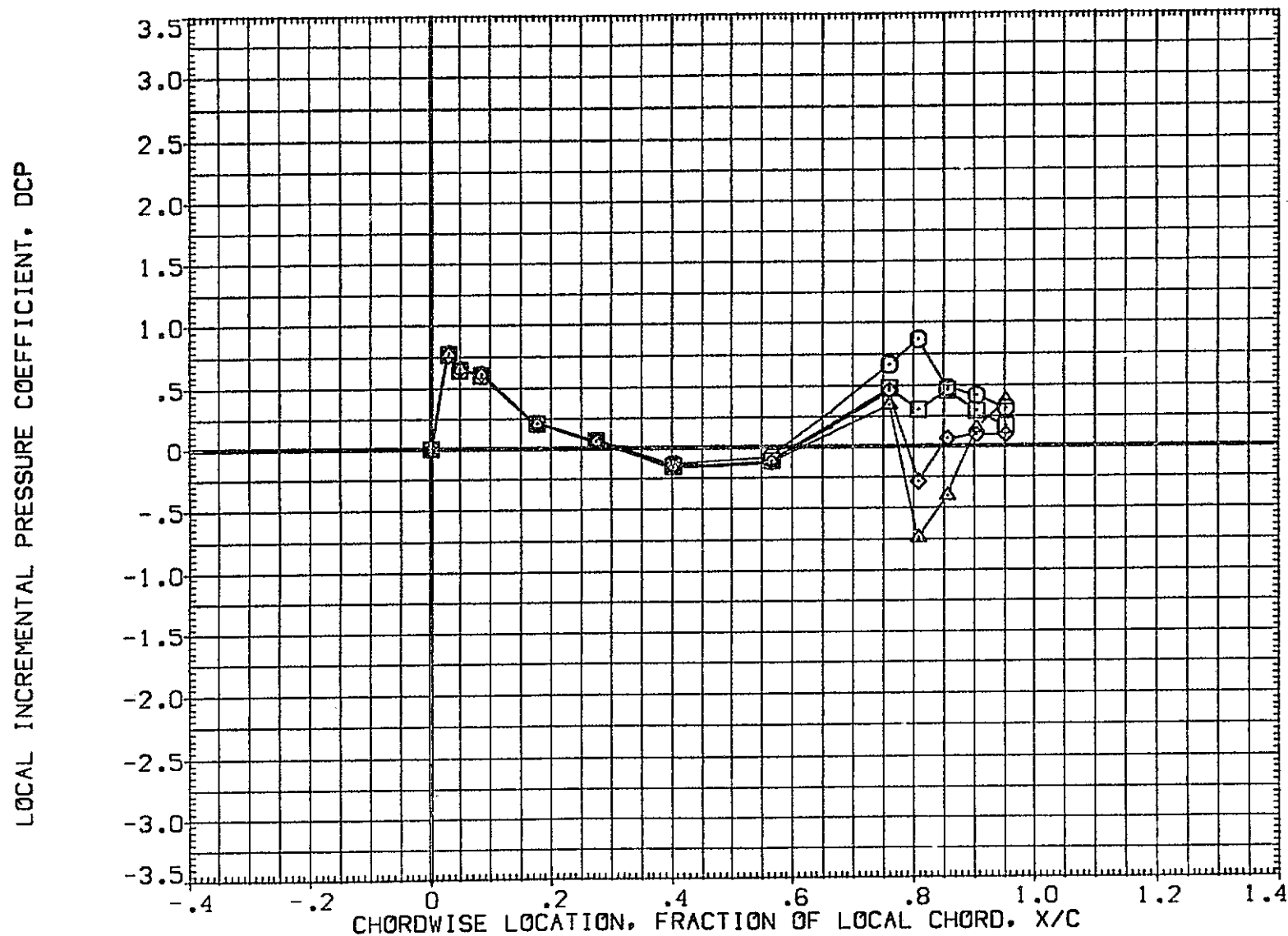


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -8.000 2Y/B = .436 PAGE 557

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	□	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	□	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	◇	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	△	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

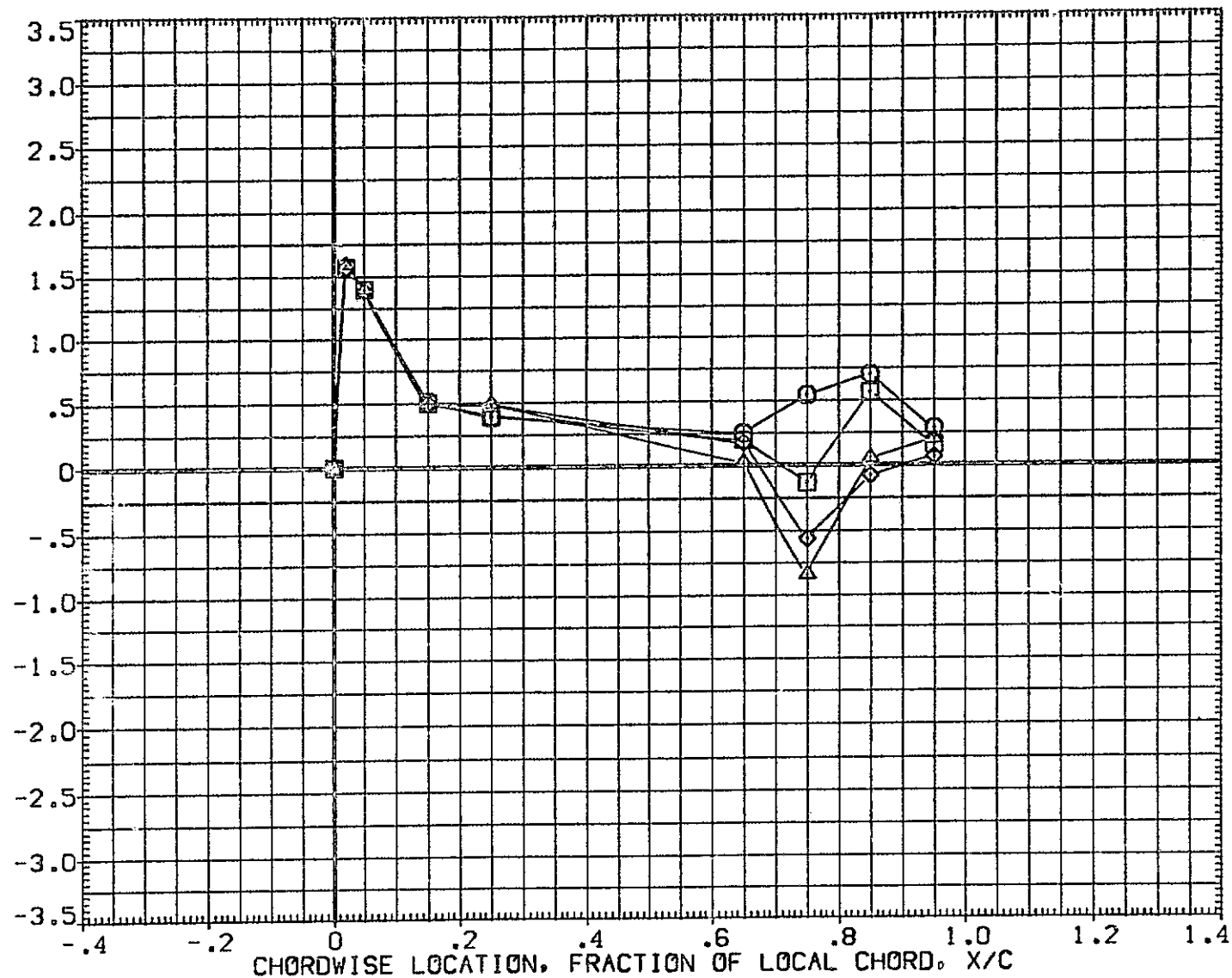


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -8.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

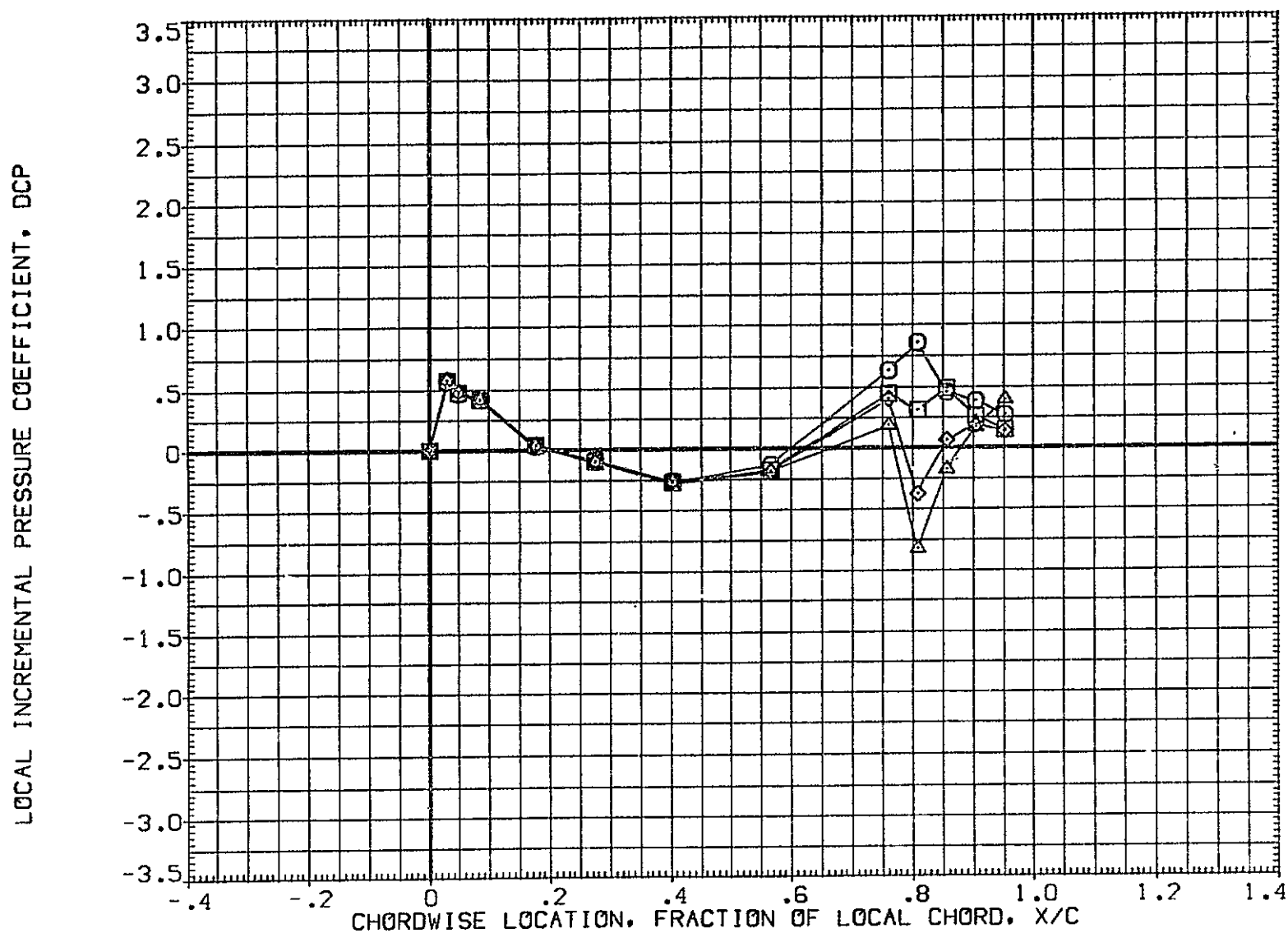


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -6.000 2Y/B = .436

DATA SET SYMBO	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044] □	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049] ○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054] ×	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059] △	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

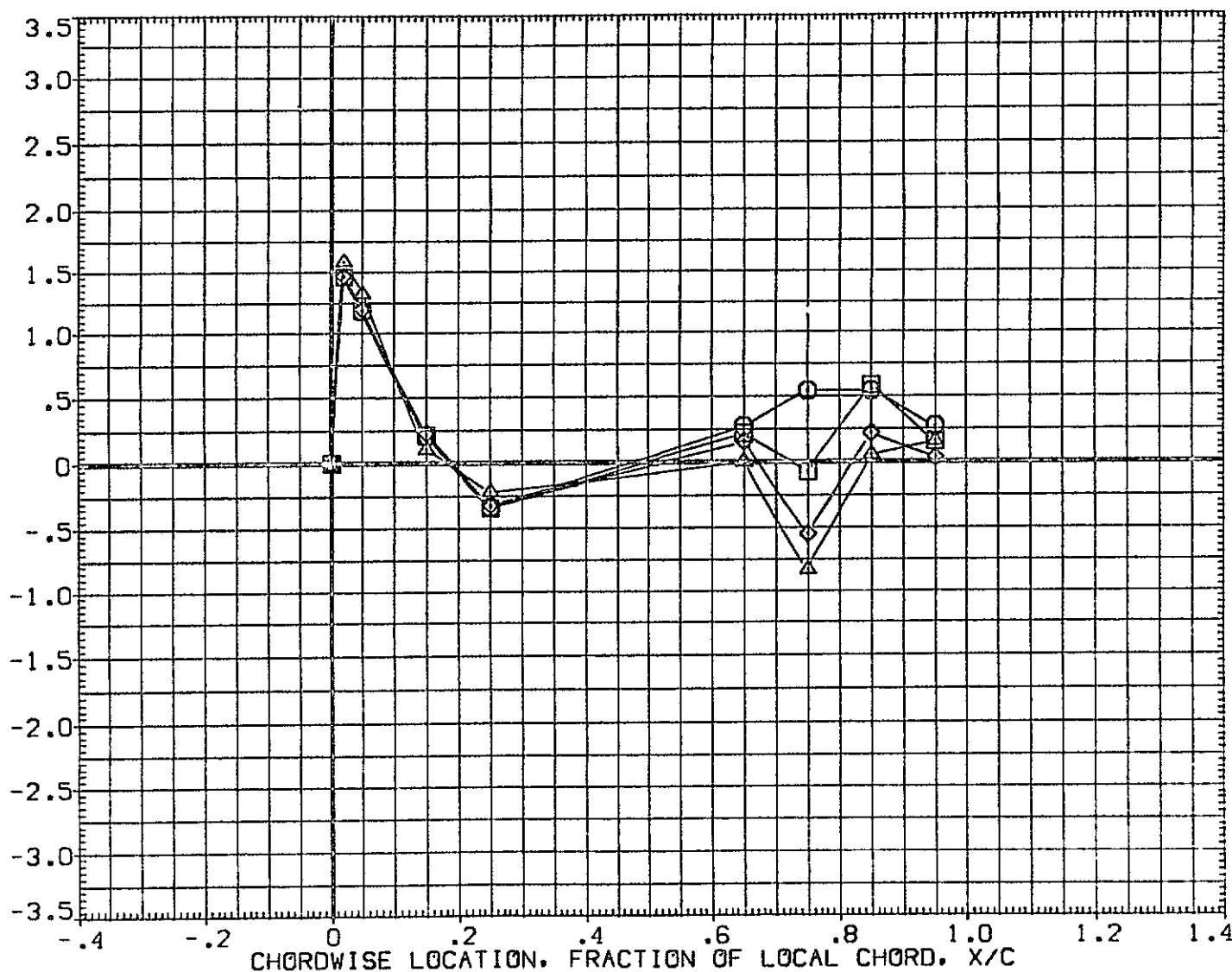


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -6.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

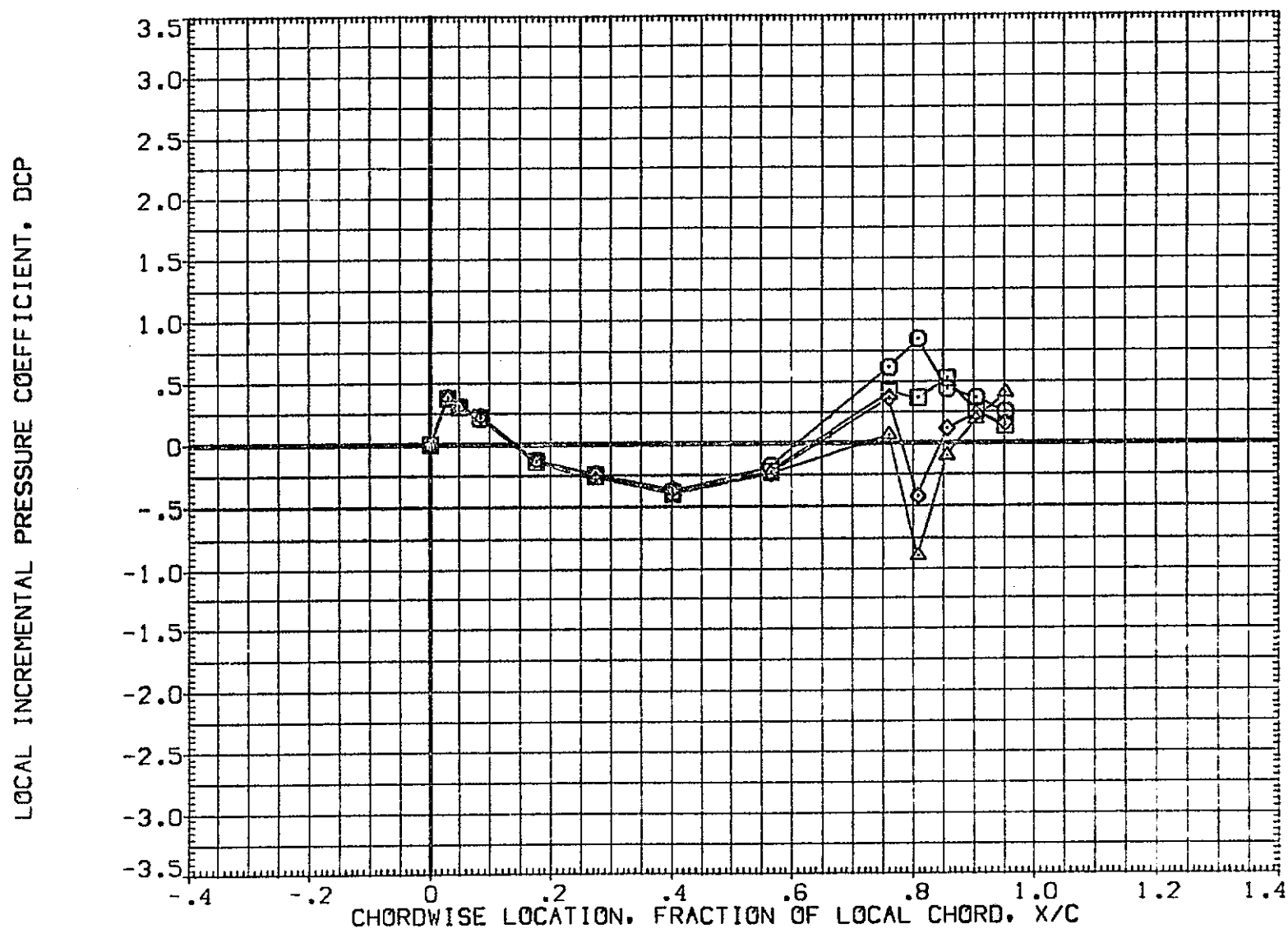


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044] □	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049] □	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054] □	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059] △	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

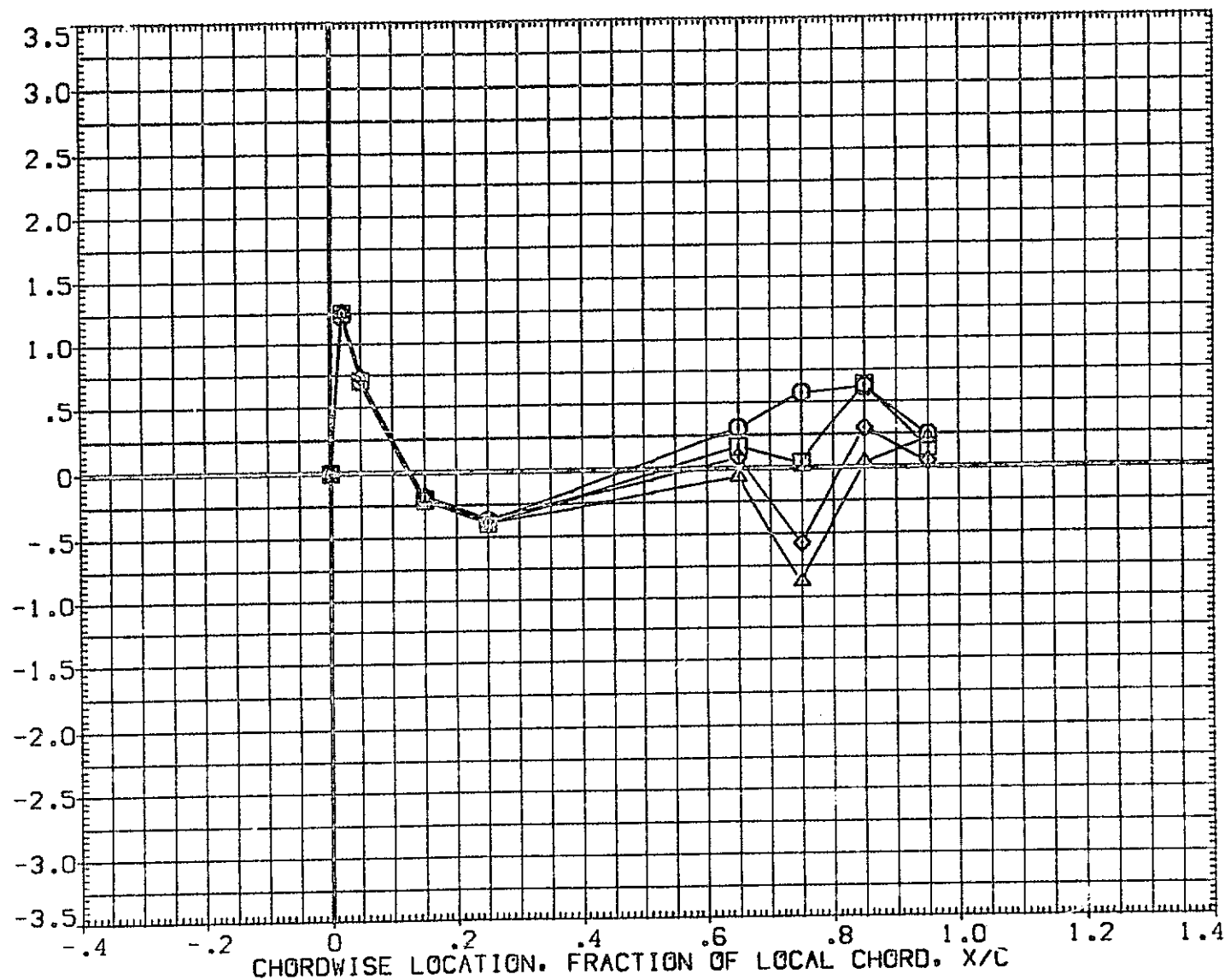


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = -4.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	□ A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	□ A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	◇ A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	△ A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

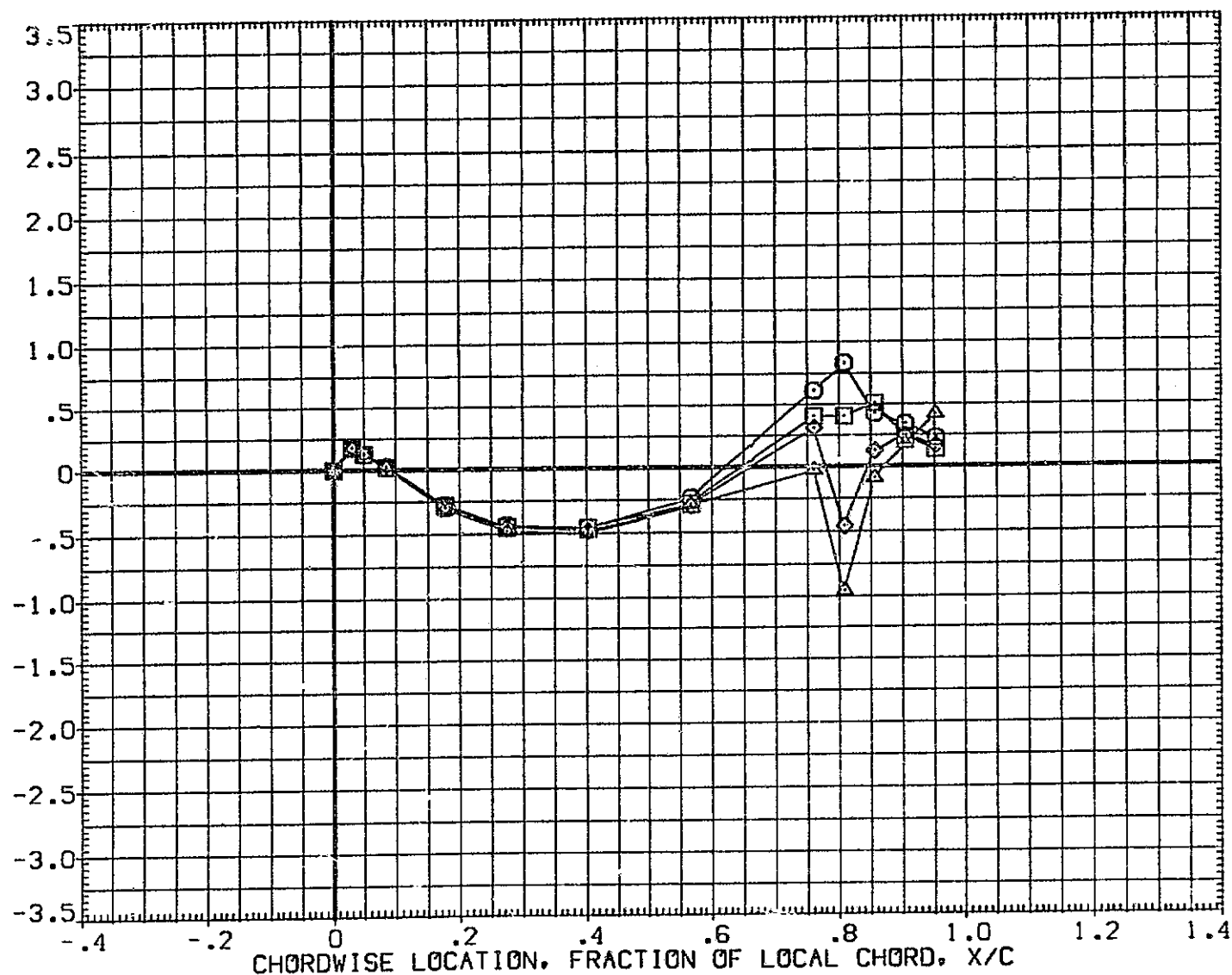


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -2.000 2Y/B = .436 PAGE 563

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

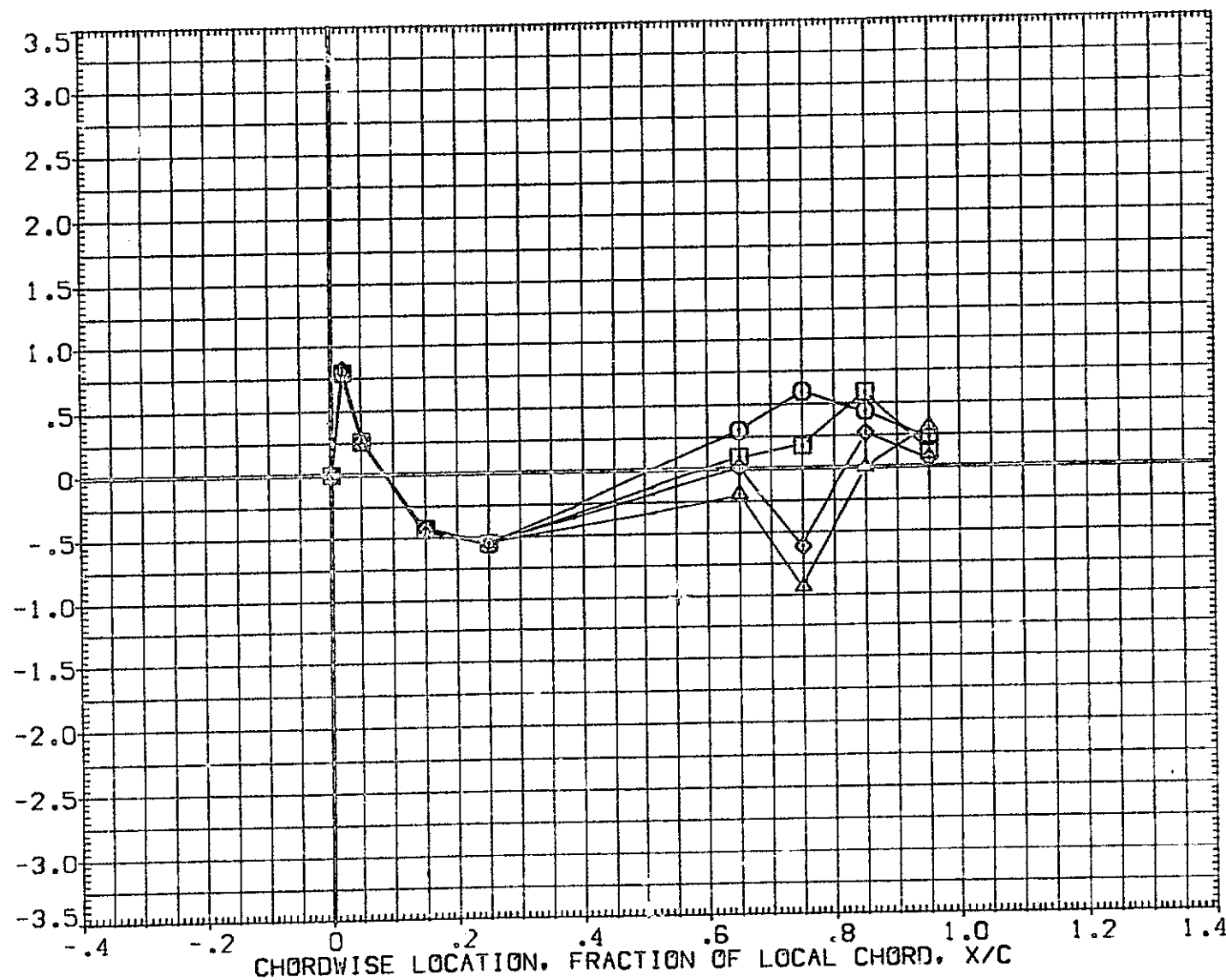


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = -2.000 2Y/B = .771 PAGE 564

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	□ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	□ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	◇ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	△ 1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

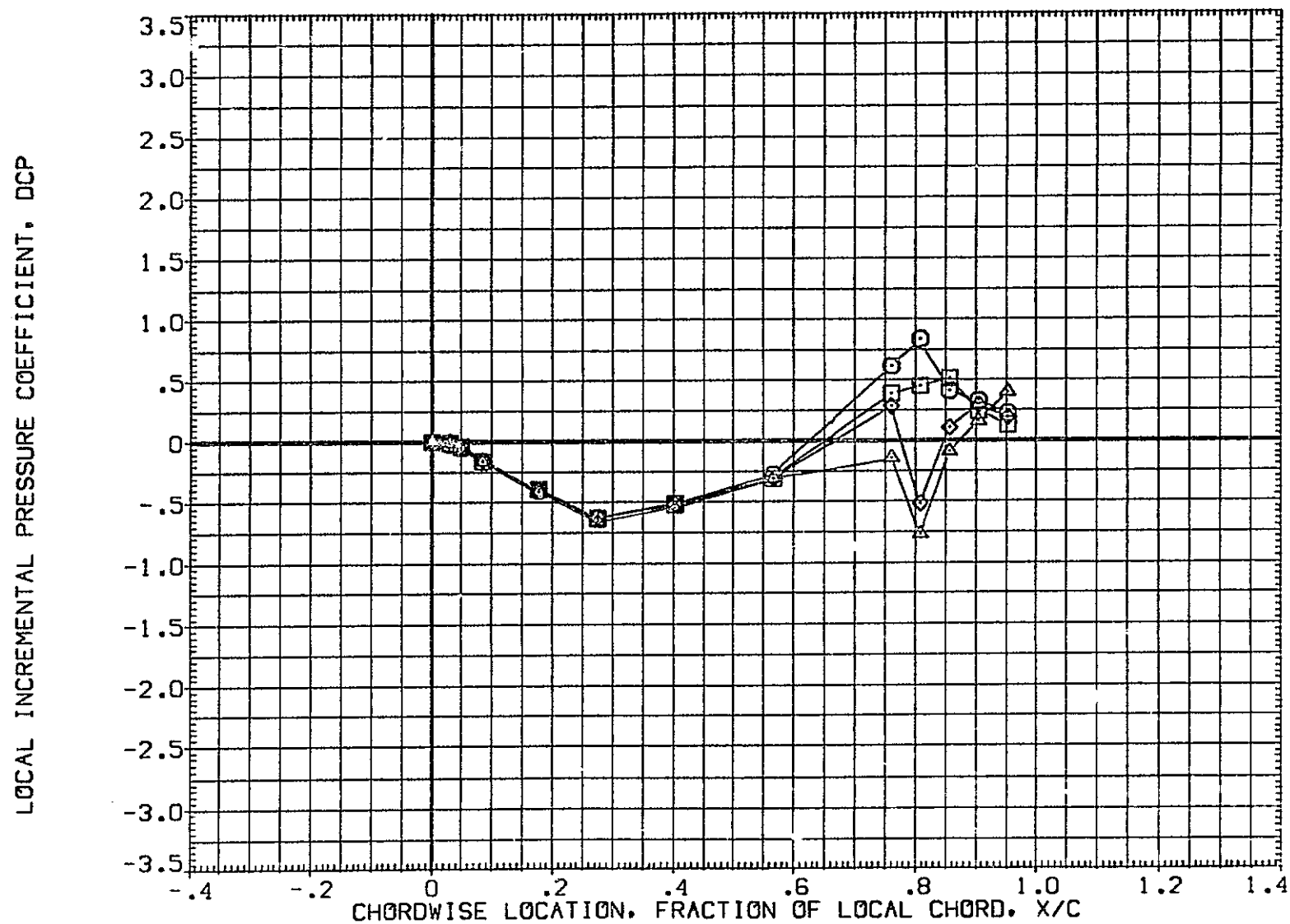


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = .000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

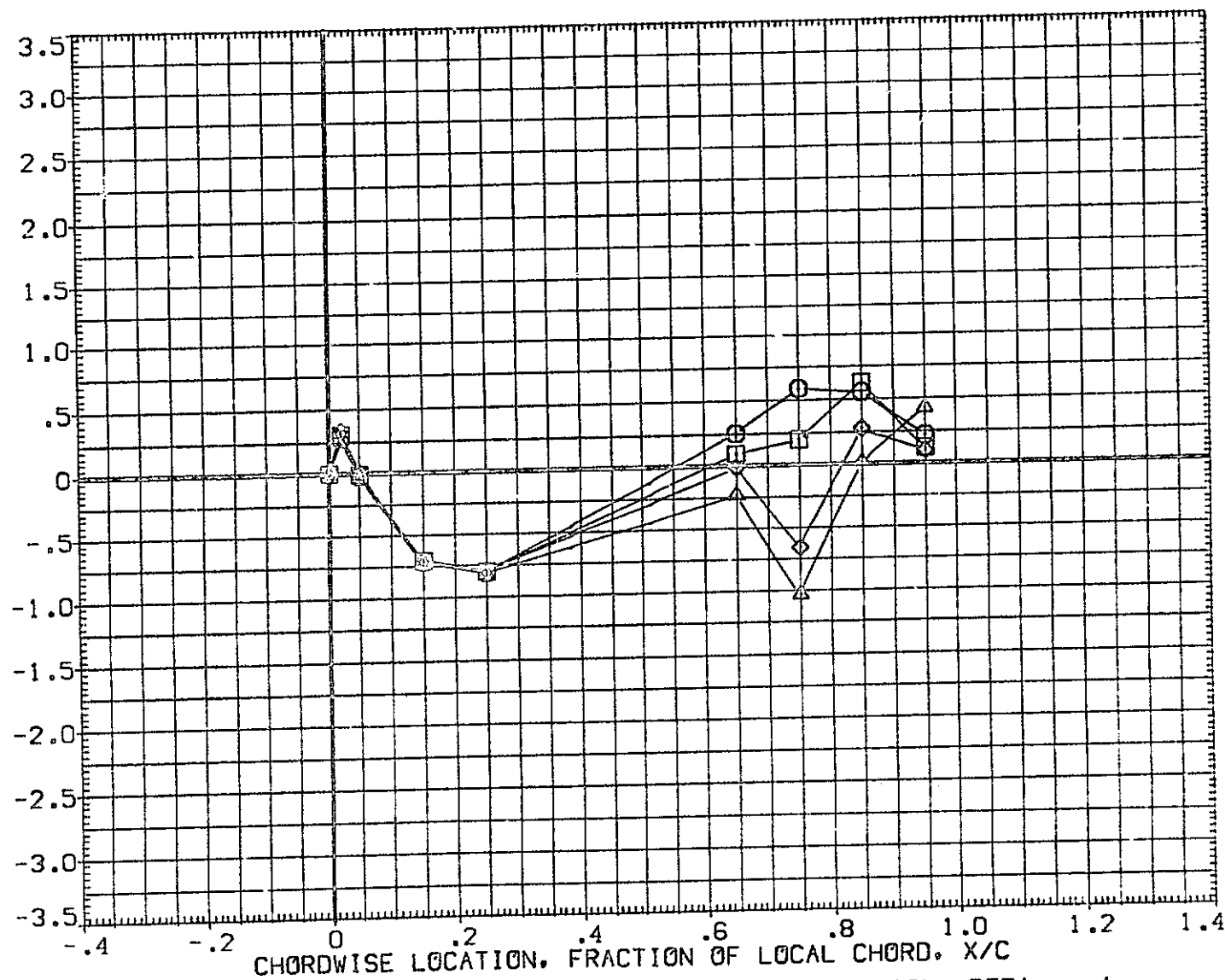


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = .000 2Y/B = .771 PAGE 566

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

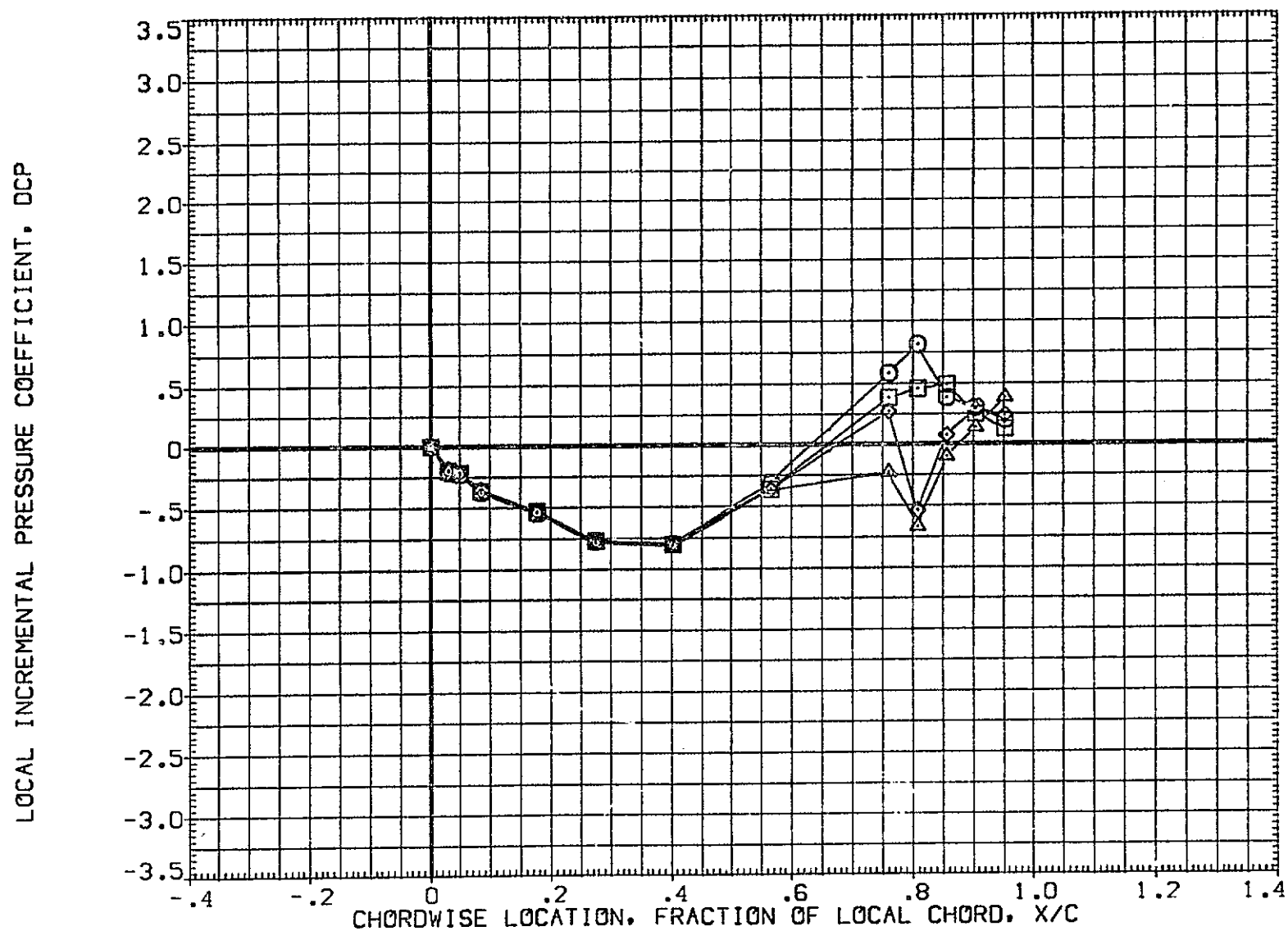


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 2.000 2Y/B = .436 PAGE 567

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	□	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	○	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	◇	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	△	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

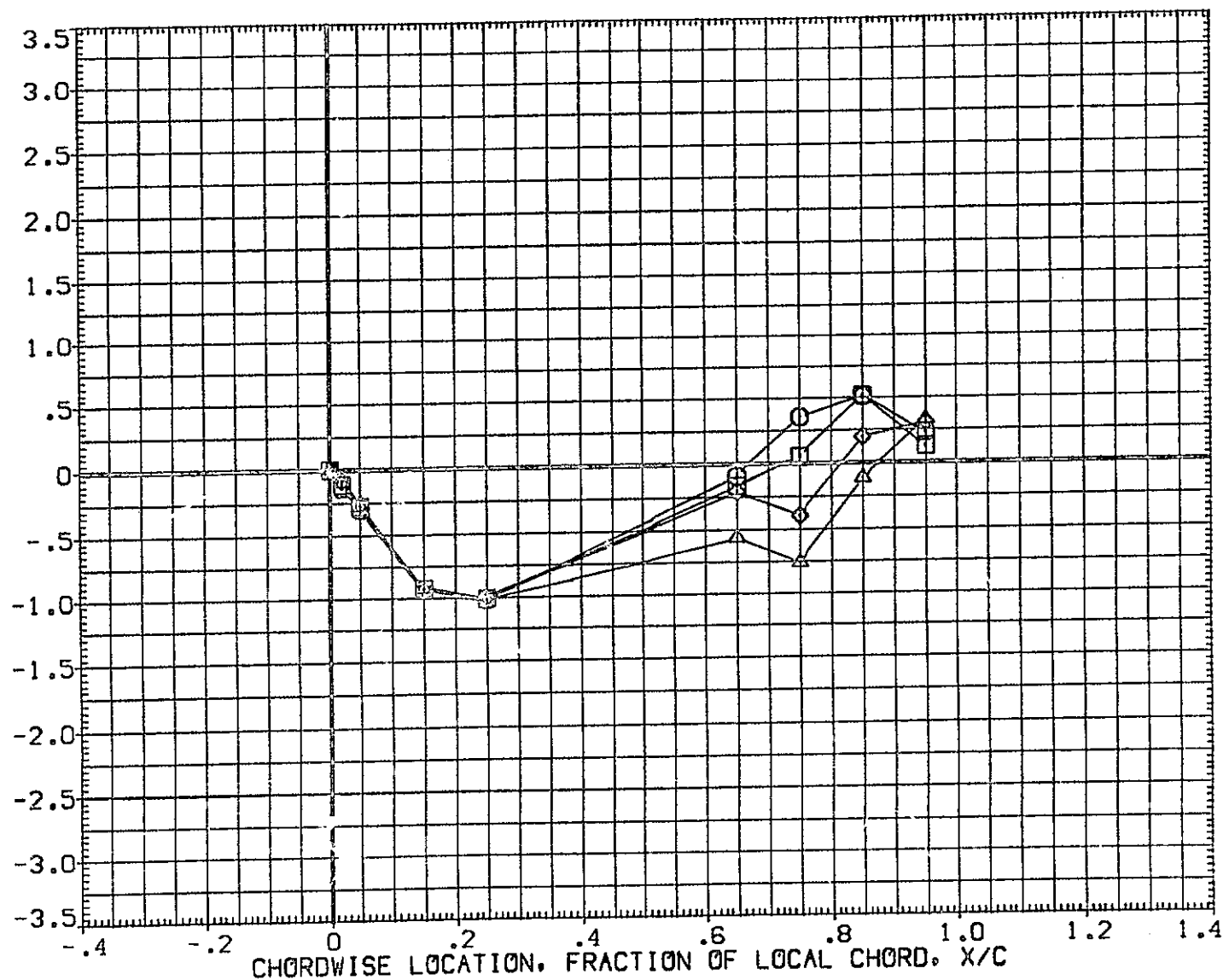


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 2.000 2Y/B = .771

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

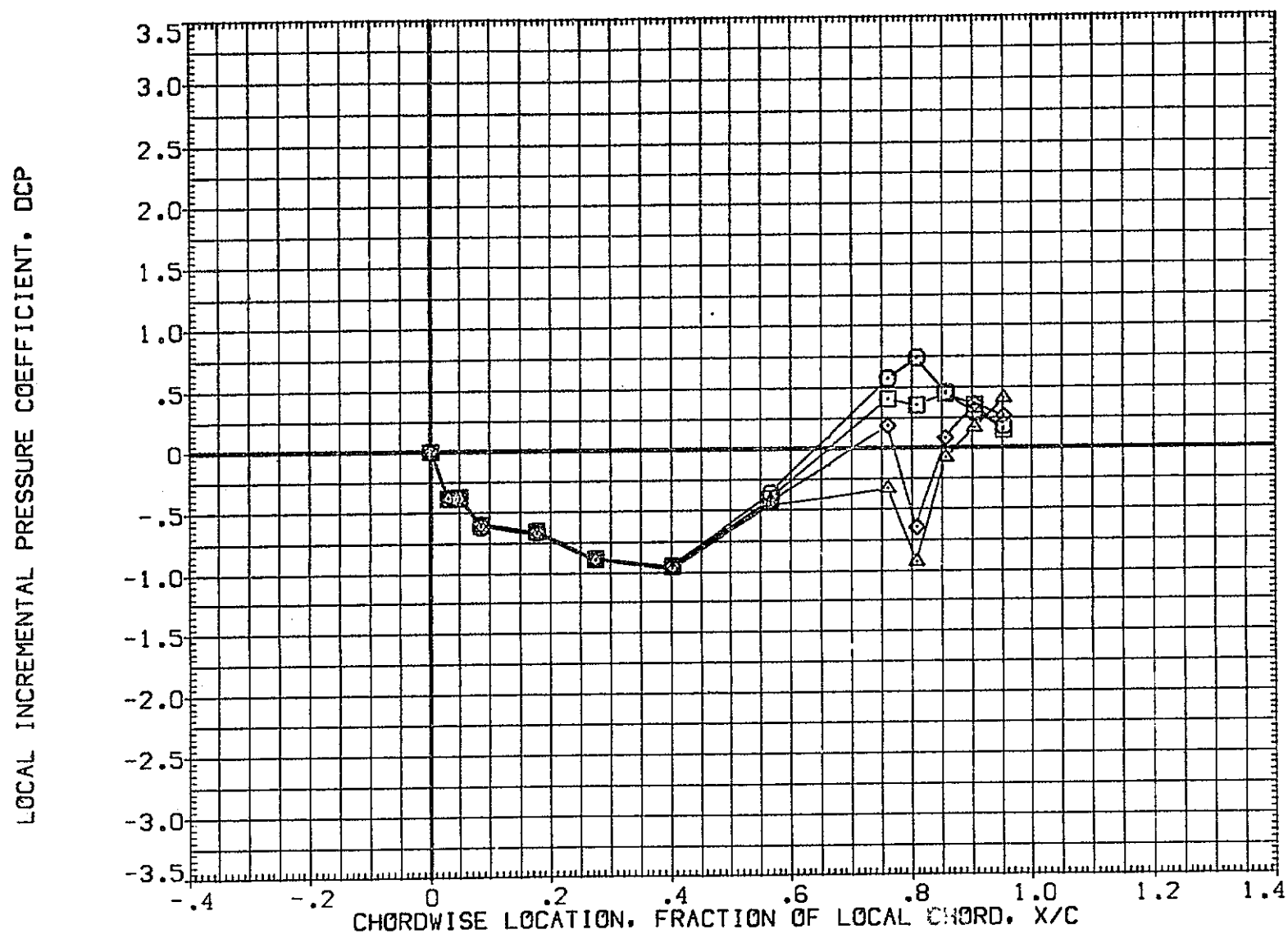


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 4.000 2Y/B = .436 PAGE 569

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

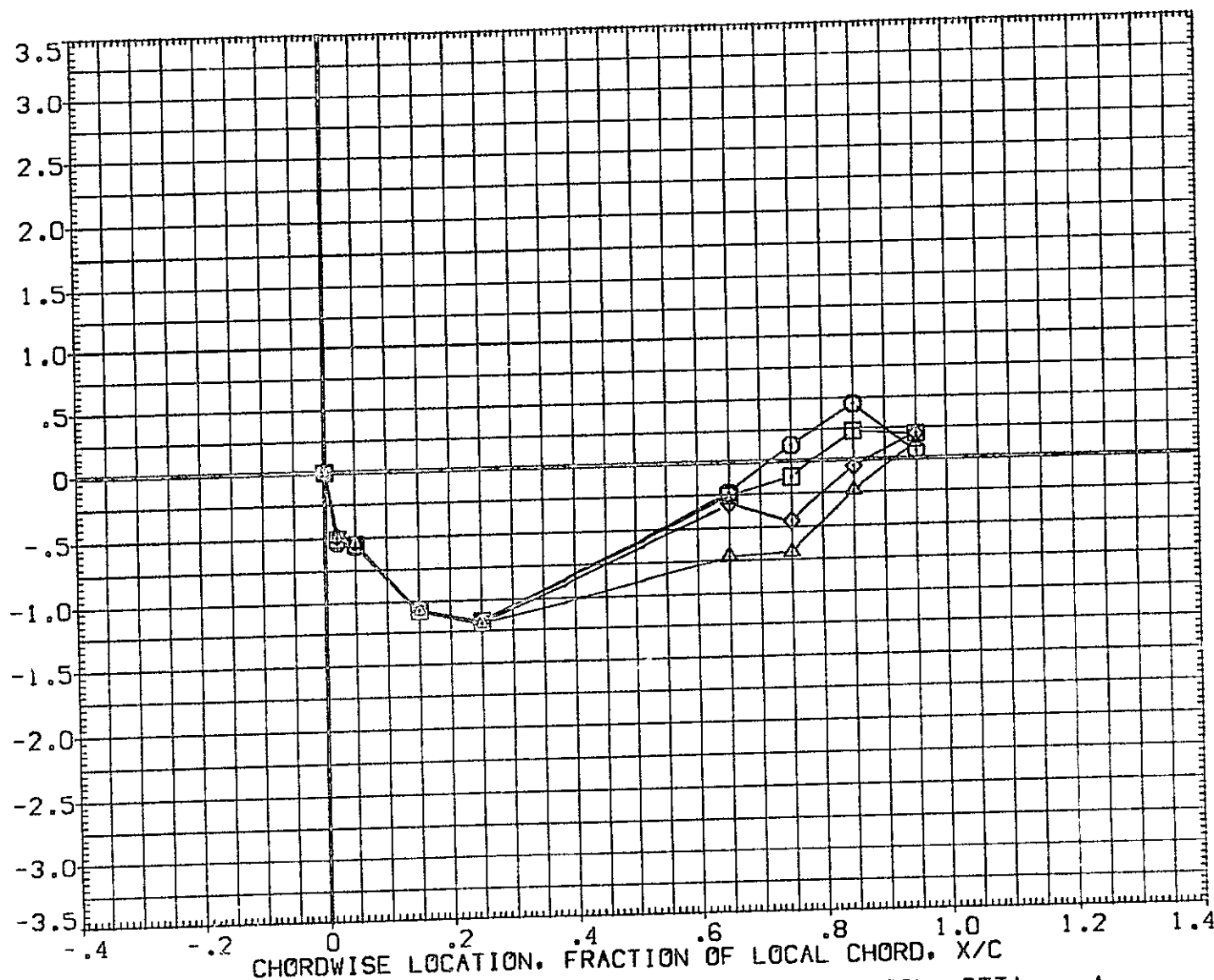


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

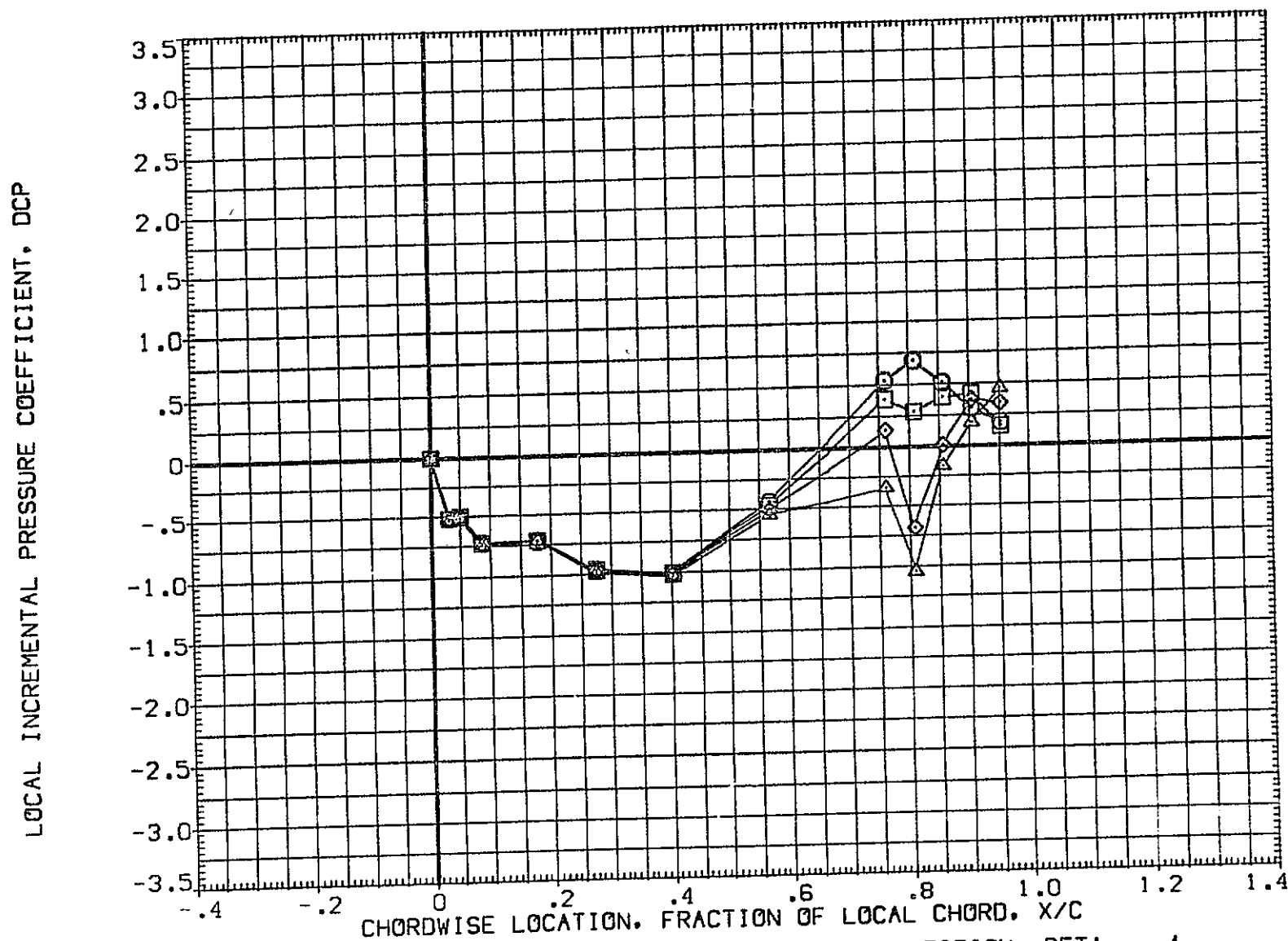


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 6.000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	□	A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	□	A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	◇	A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	△	A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	0.000	12.000	12.000	12.000

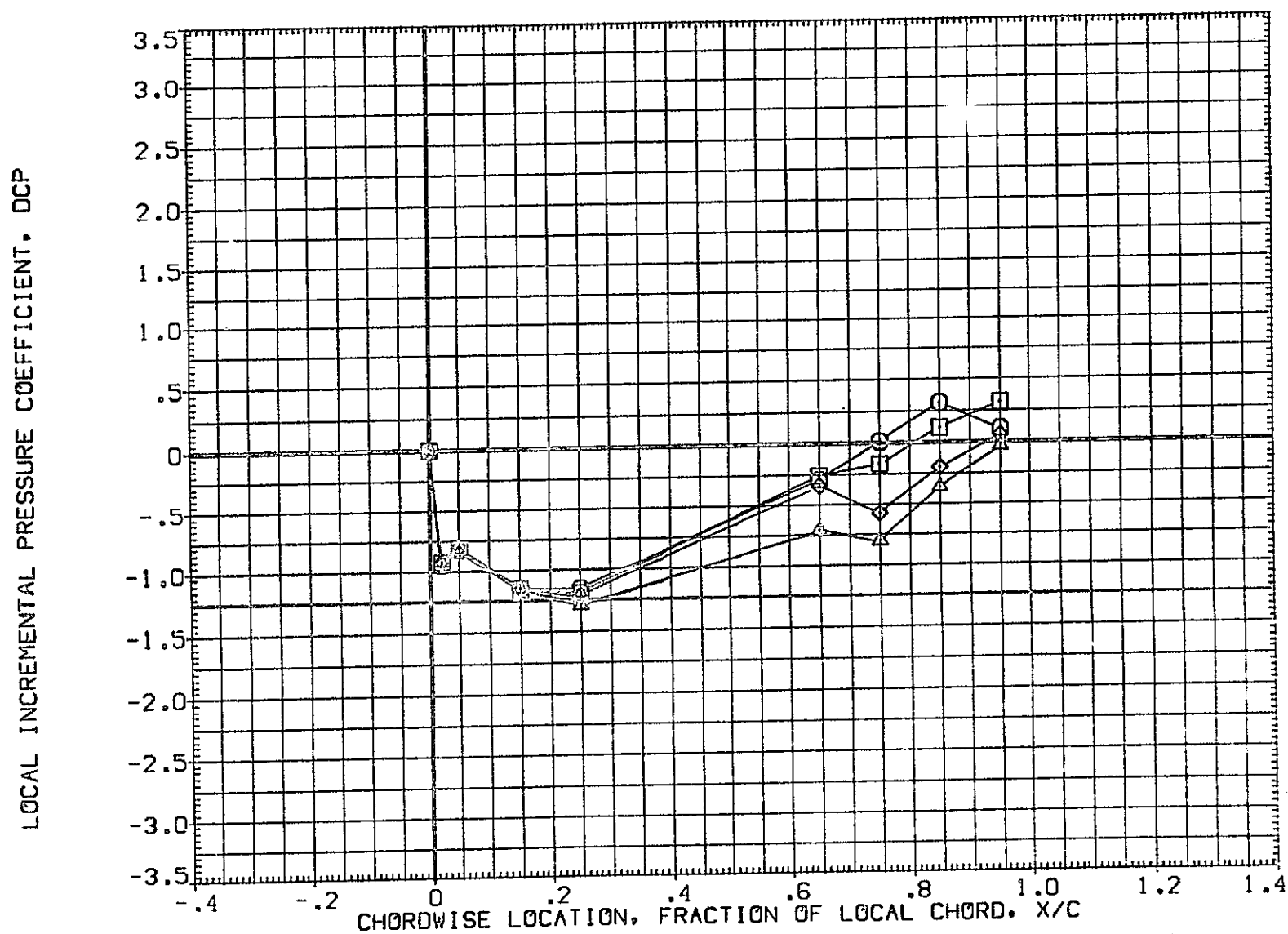


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 6.000 2Y/B = .771 PAGE 572

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

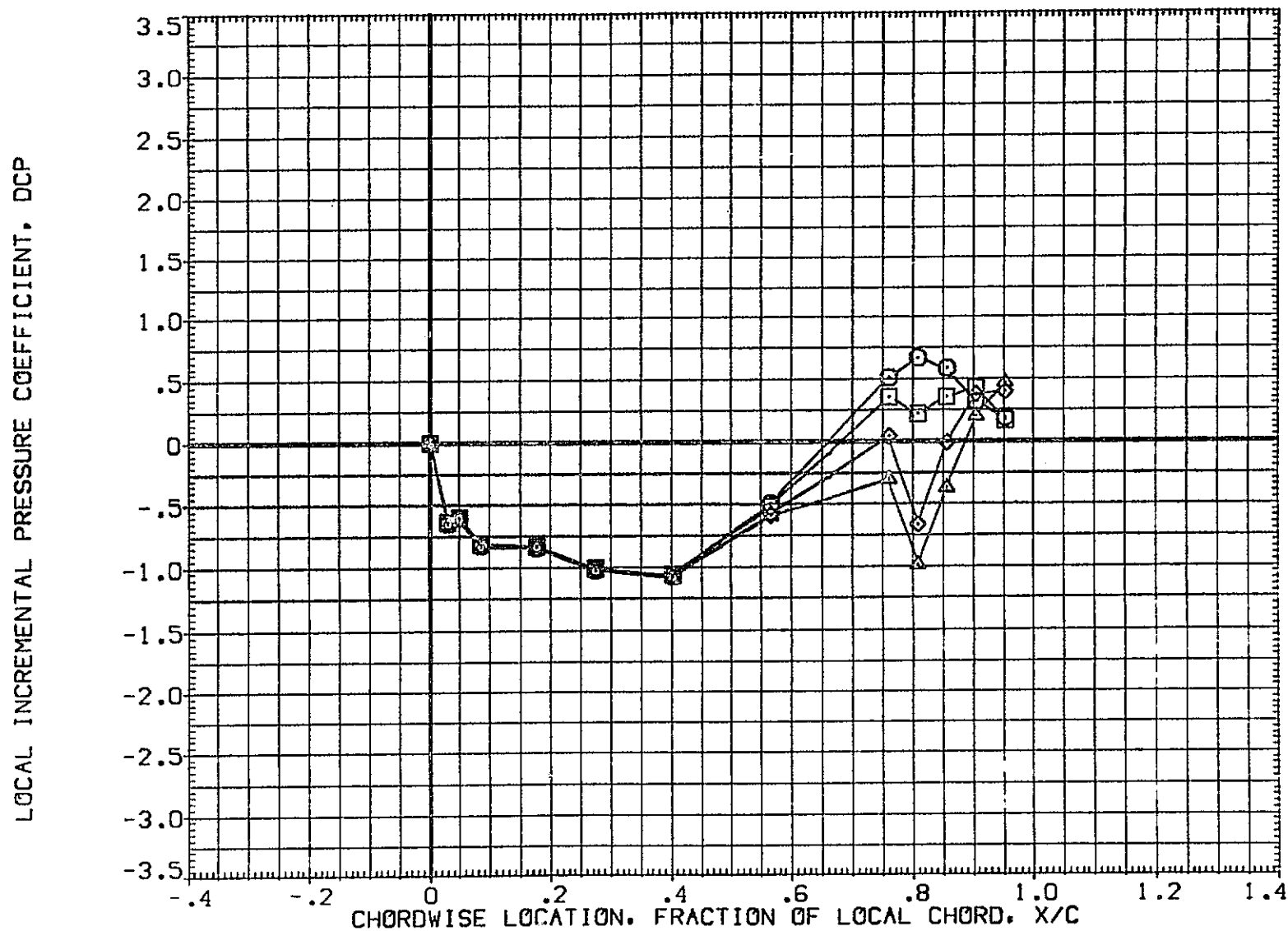


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = .900 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

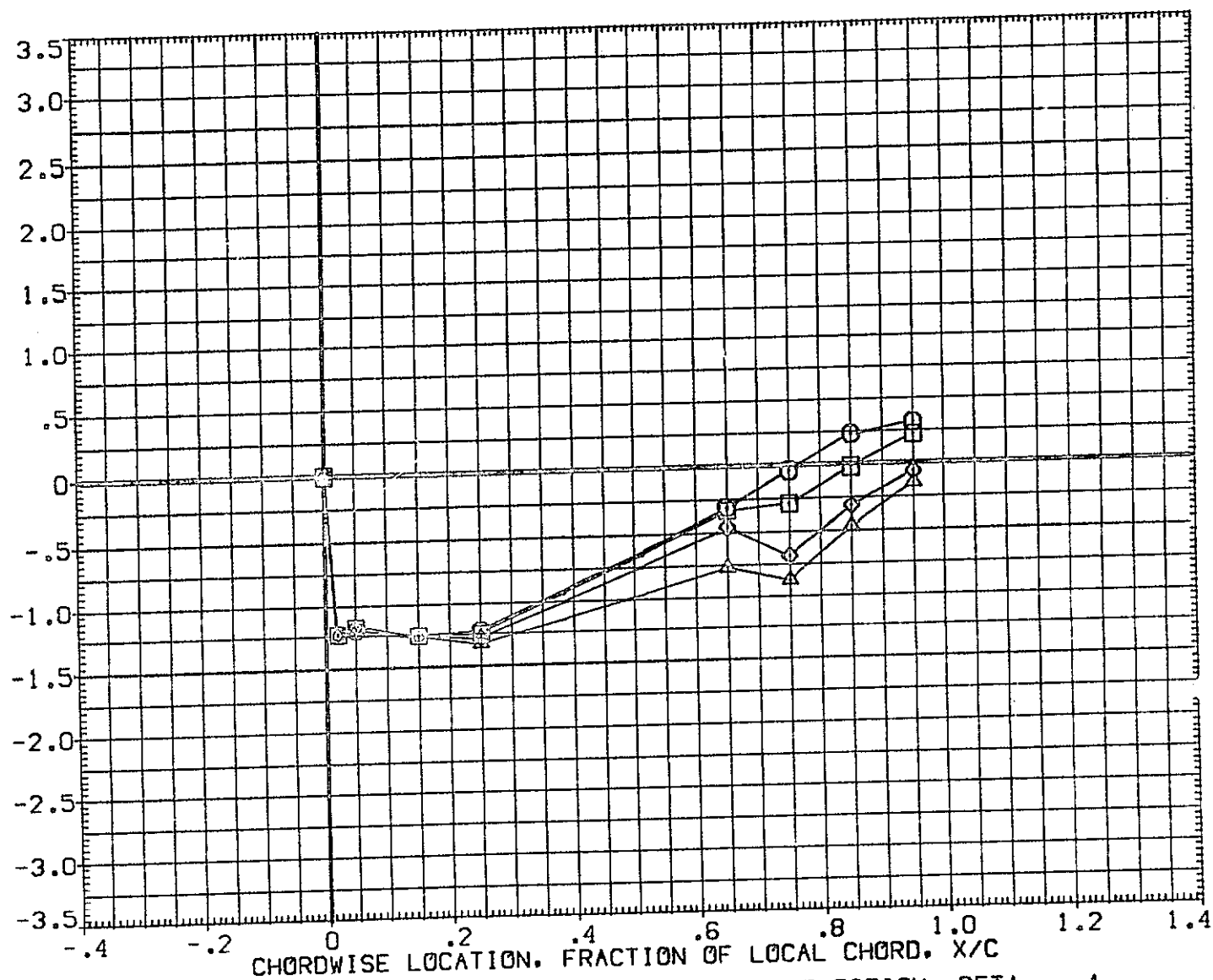


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = .900 ALPHA = 8.000 2Y/B = .771 PAGE 574

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

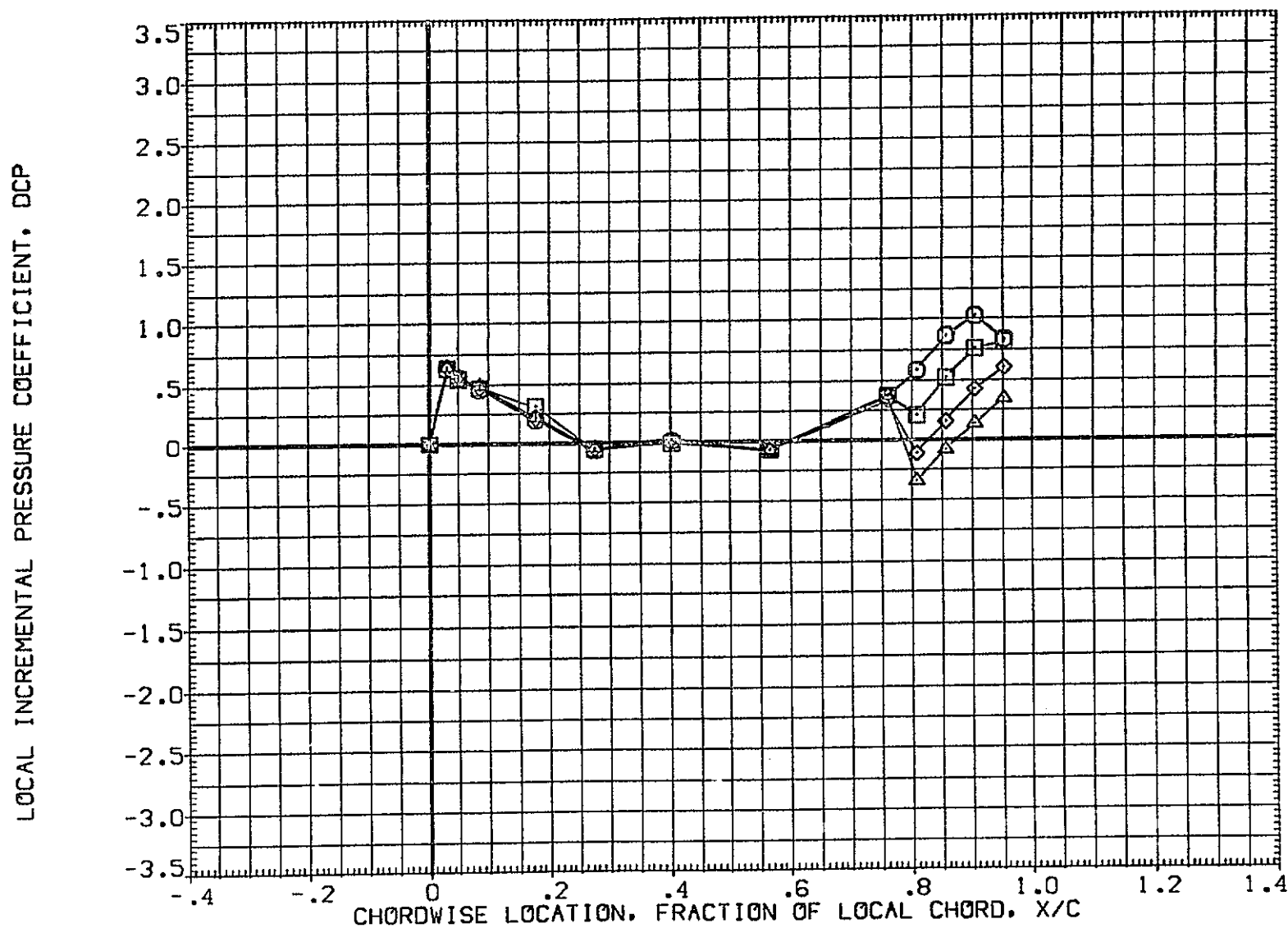


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

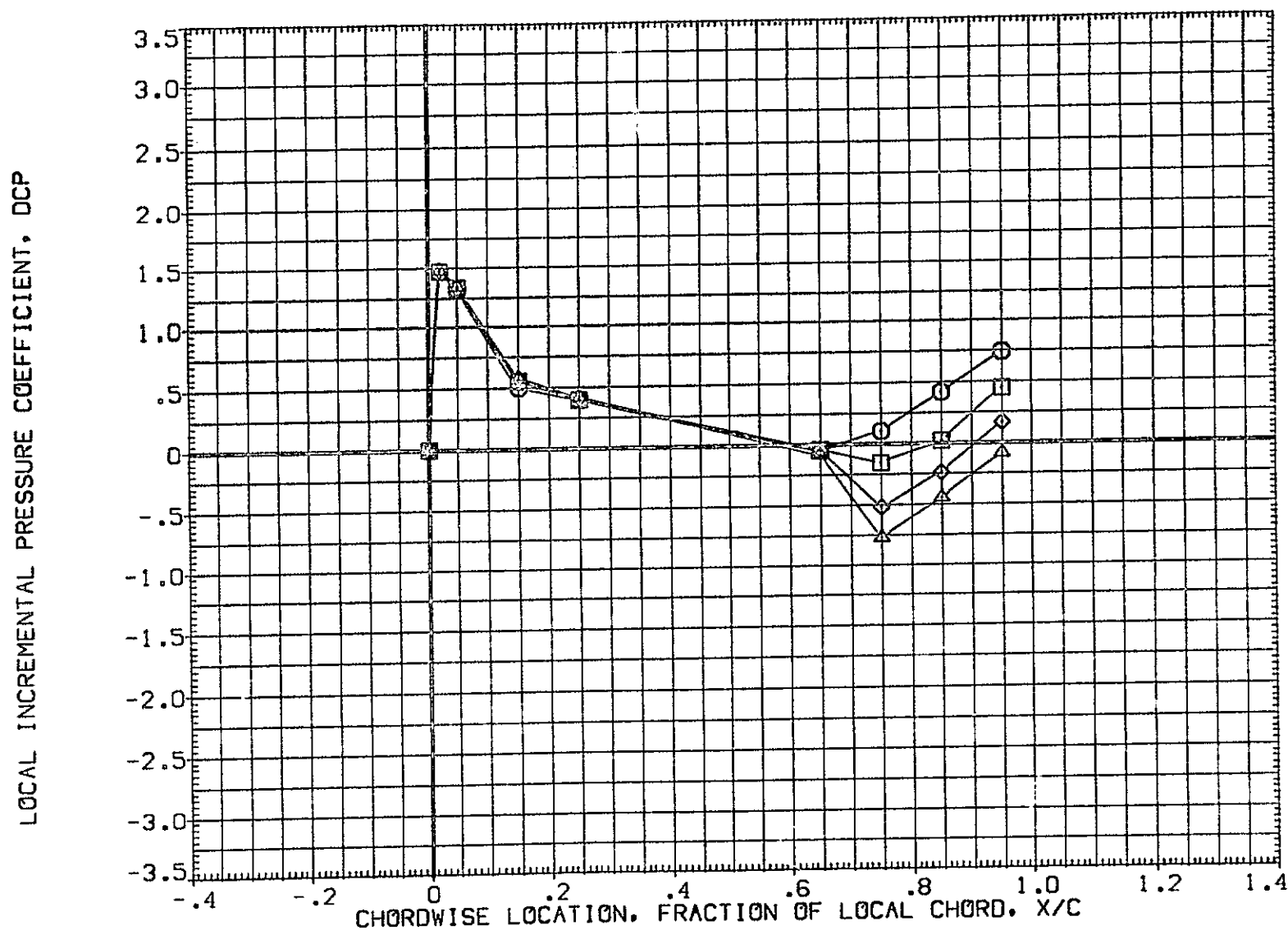


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -8.000 2Y/B = .771 PAGE 576

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

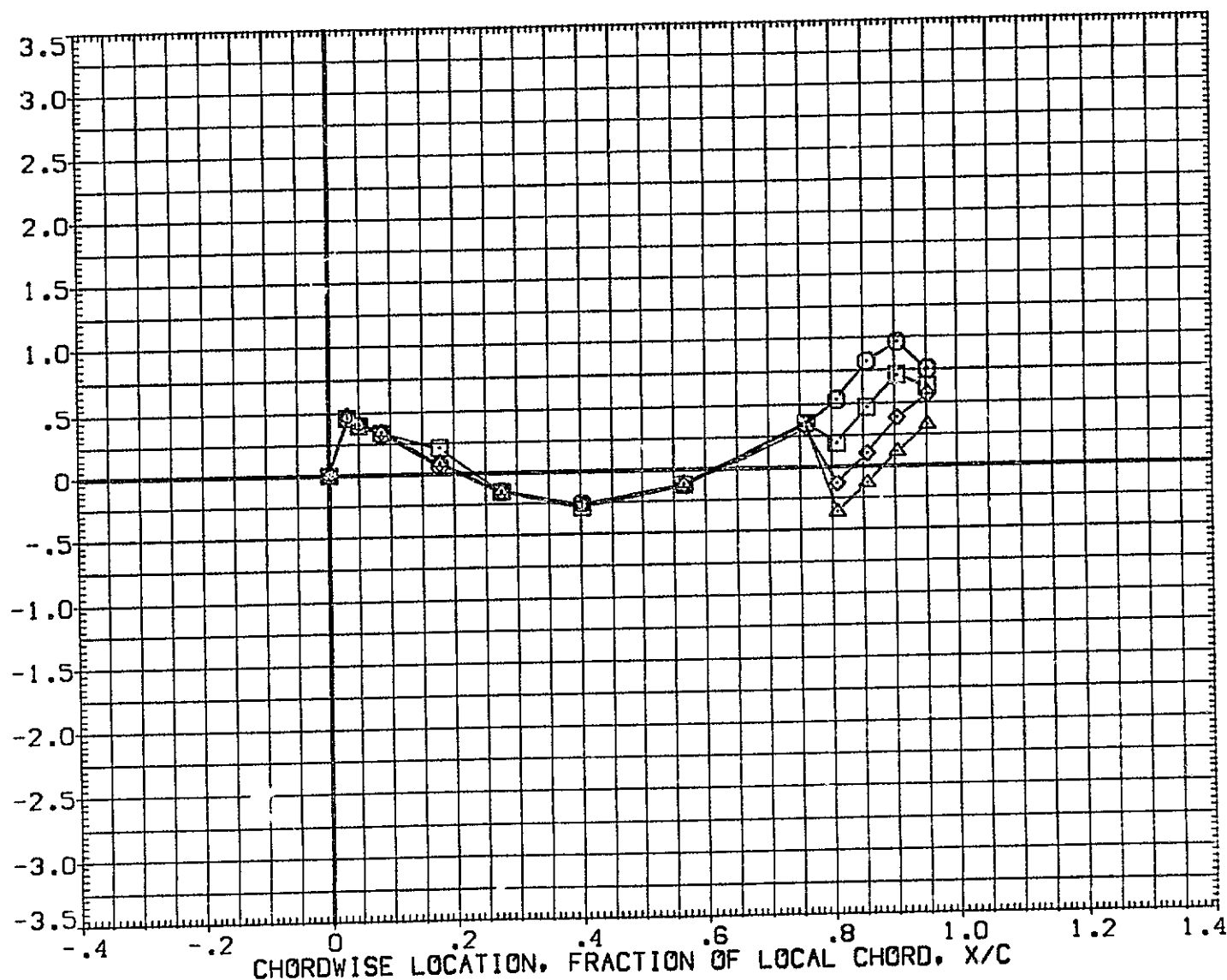


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -6.000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70	01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

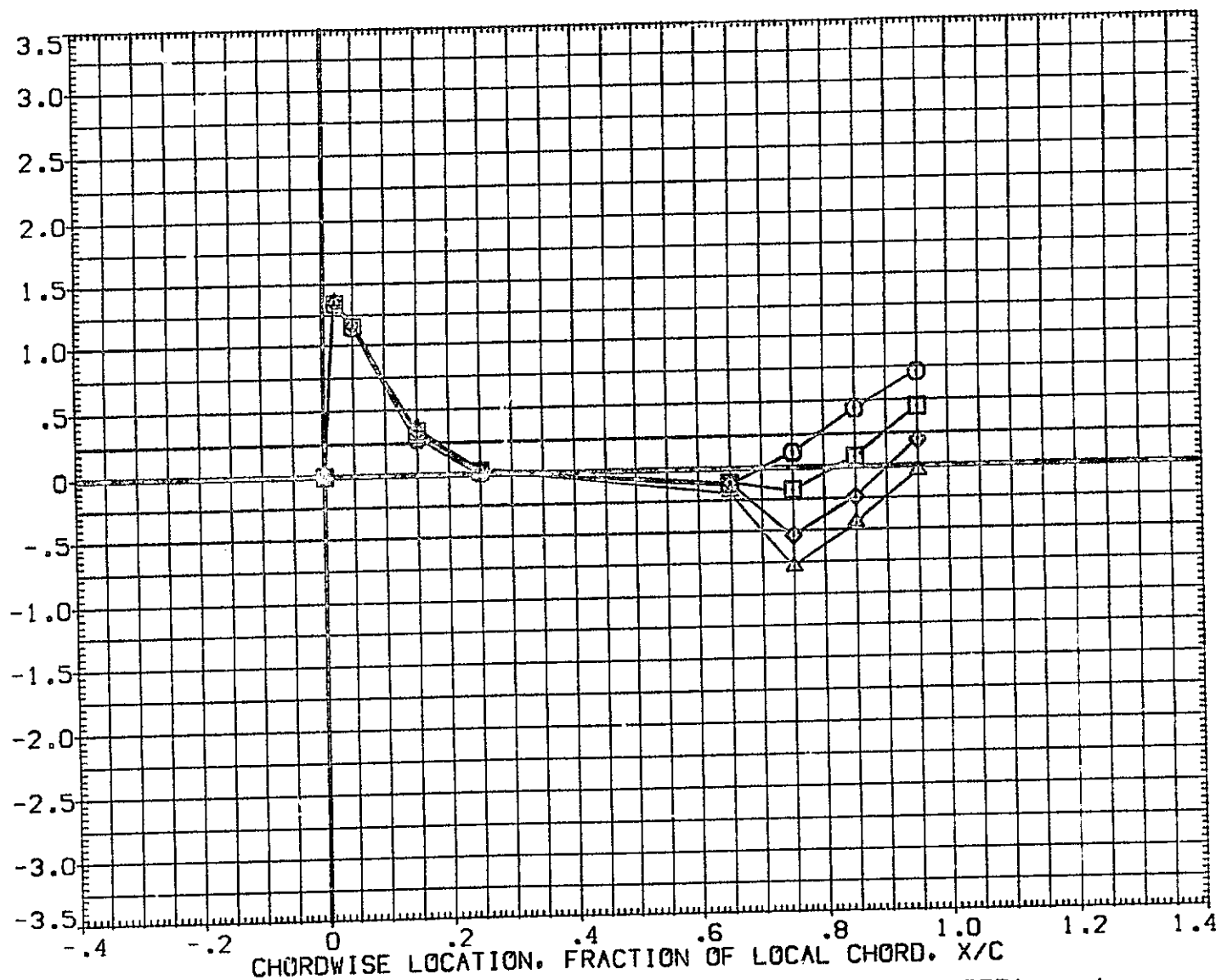


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -6.000 2Y/B = .771 PAGE 578

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

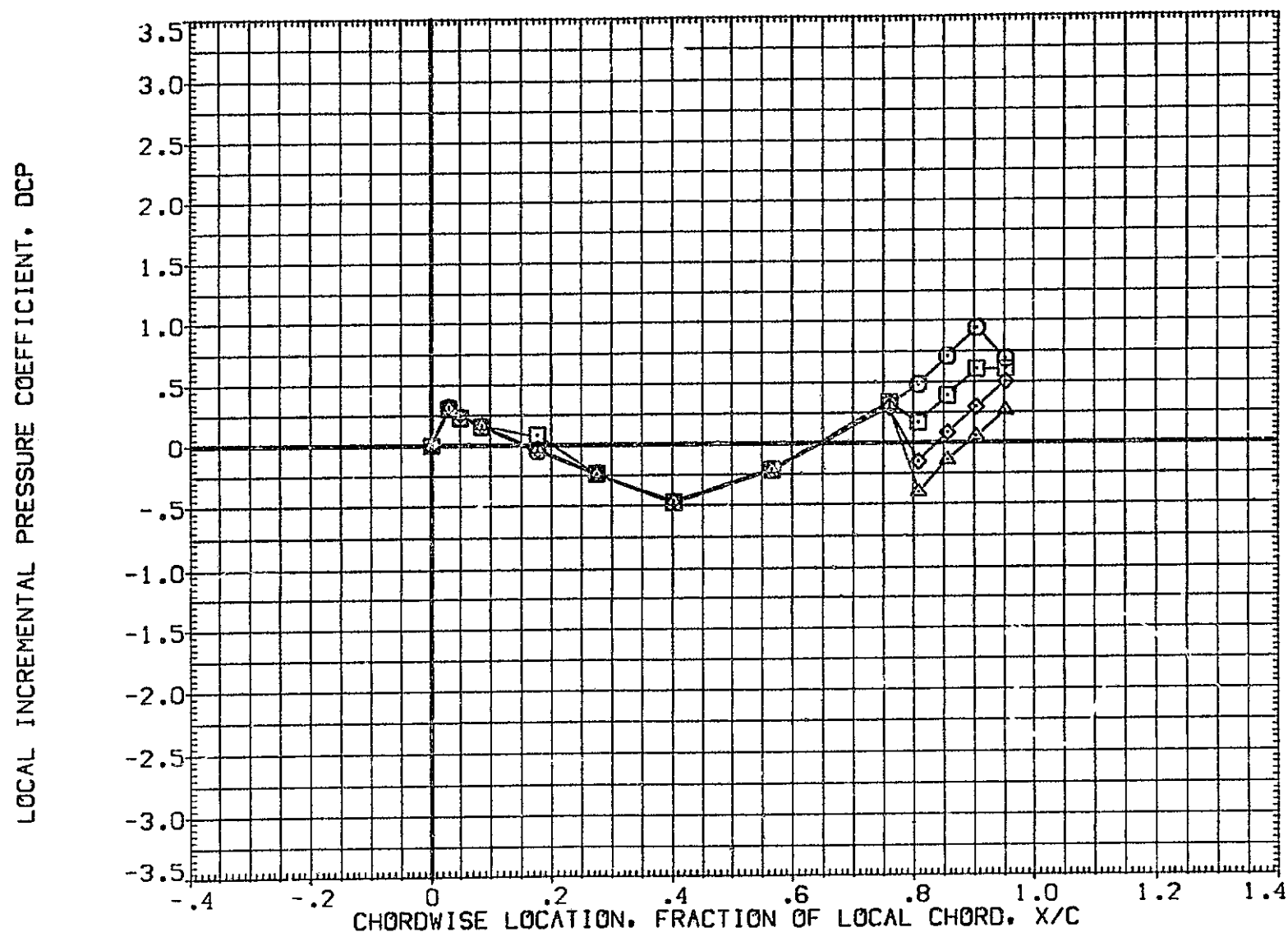


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

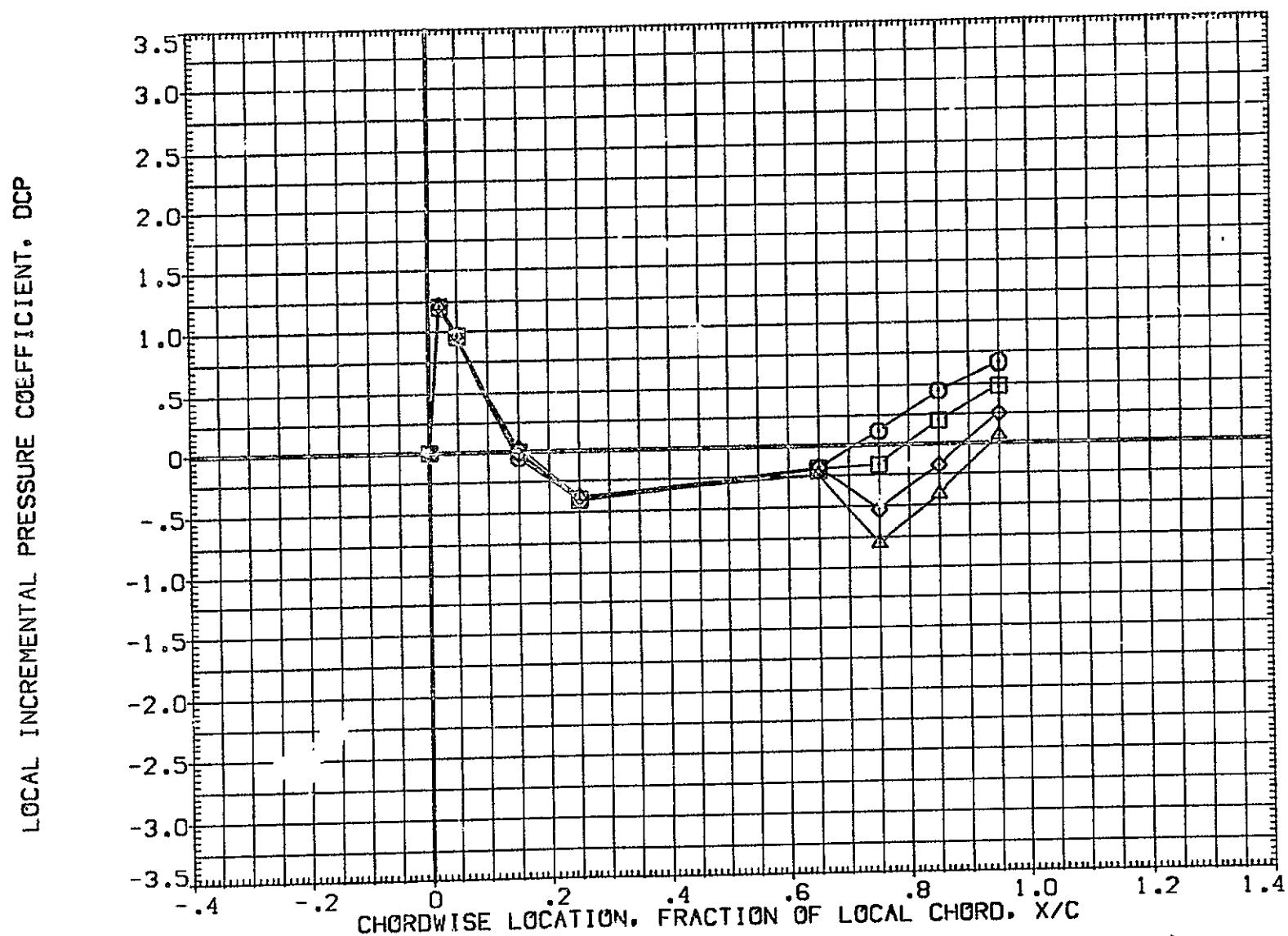


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -4.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

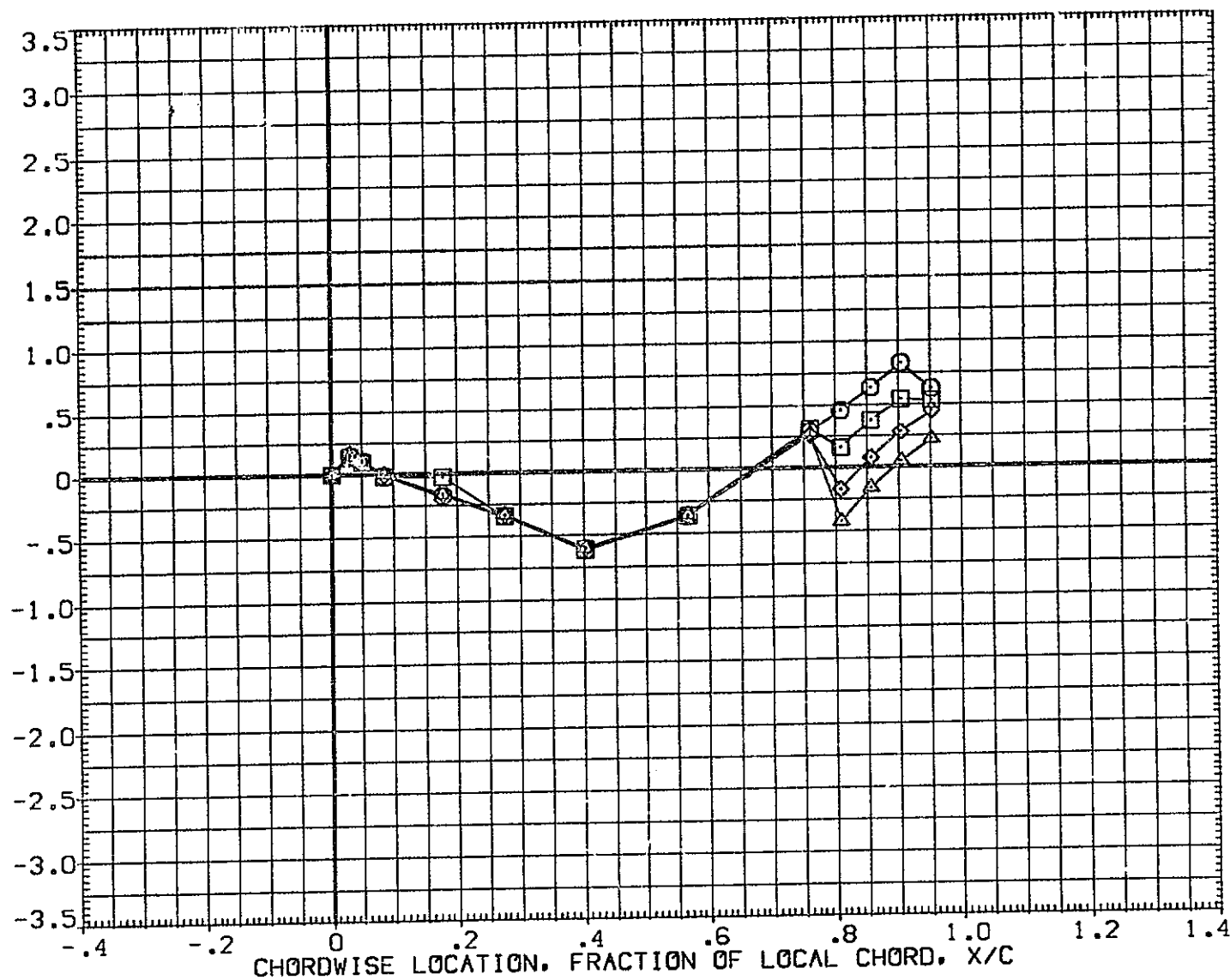


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = -2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

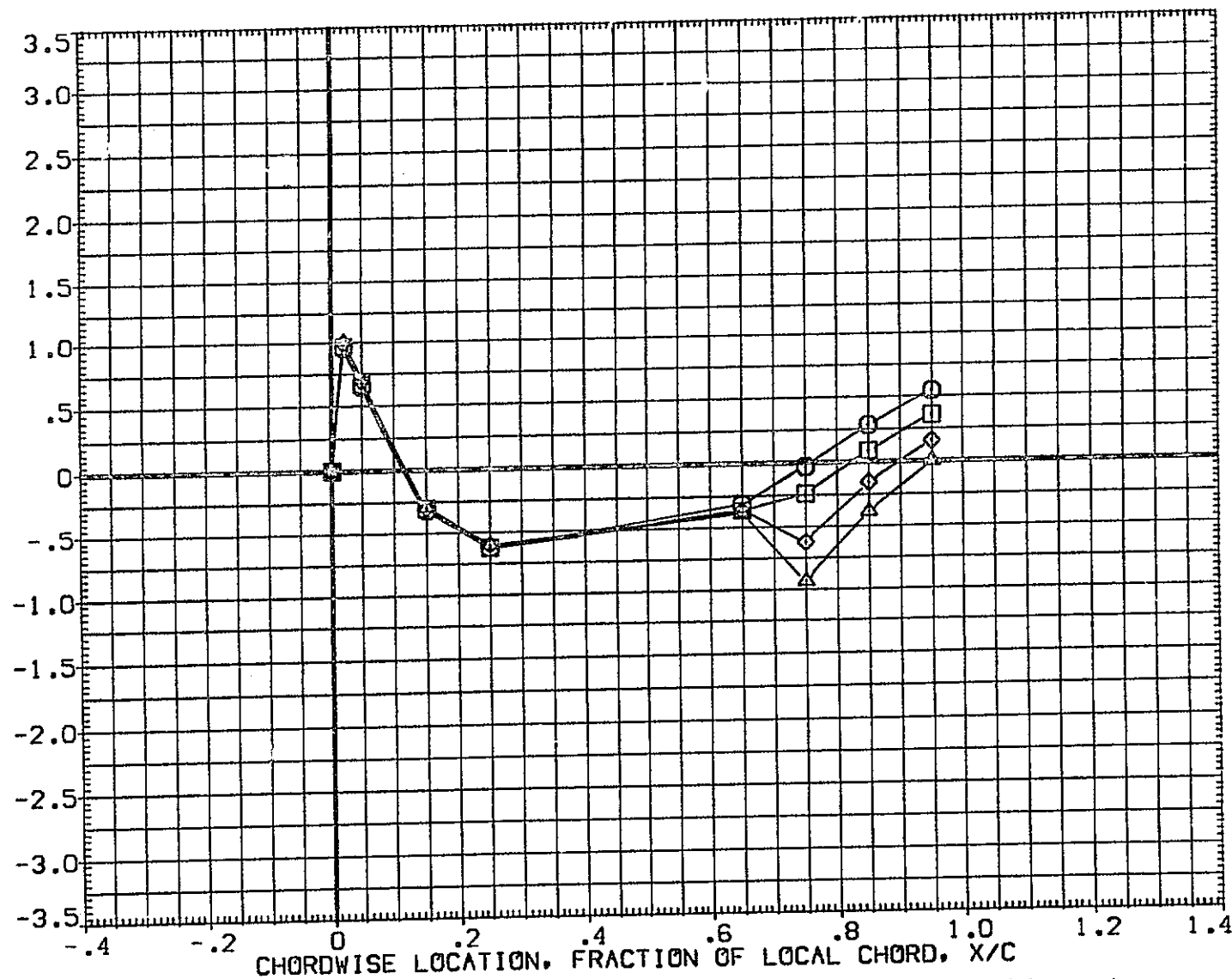


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = -2.000 2Y/B = .771 PAGE 582

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

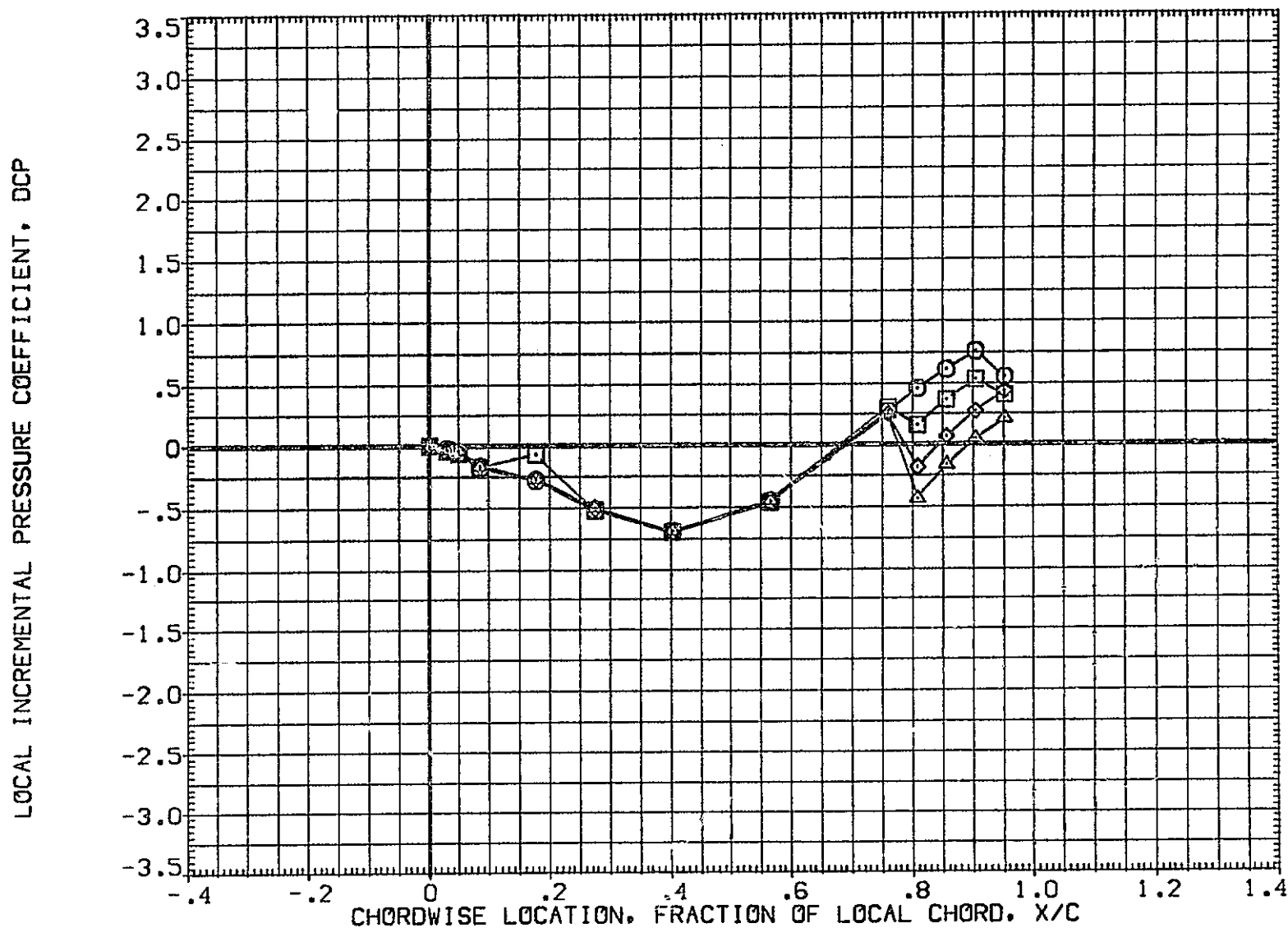


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = .000 2Y/B = .436 PAGE 583

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	9.000	12.000	12.000	12.000

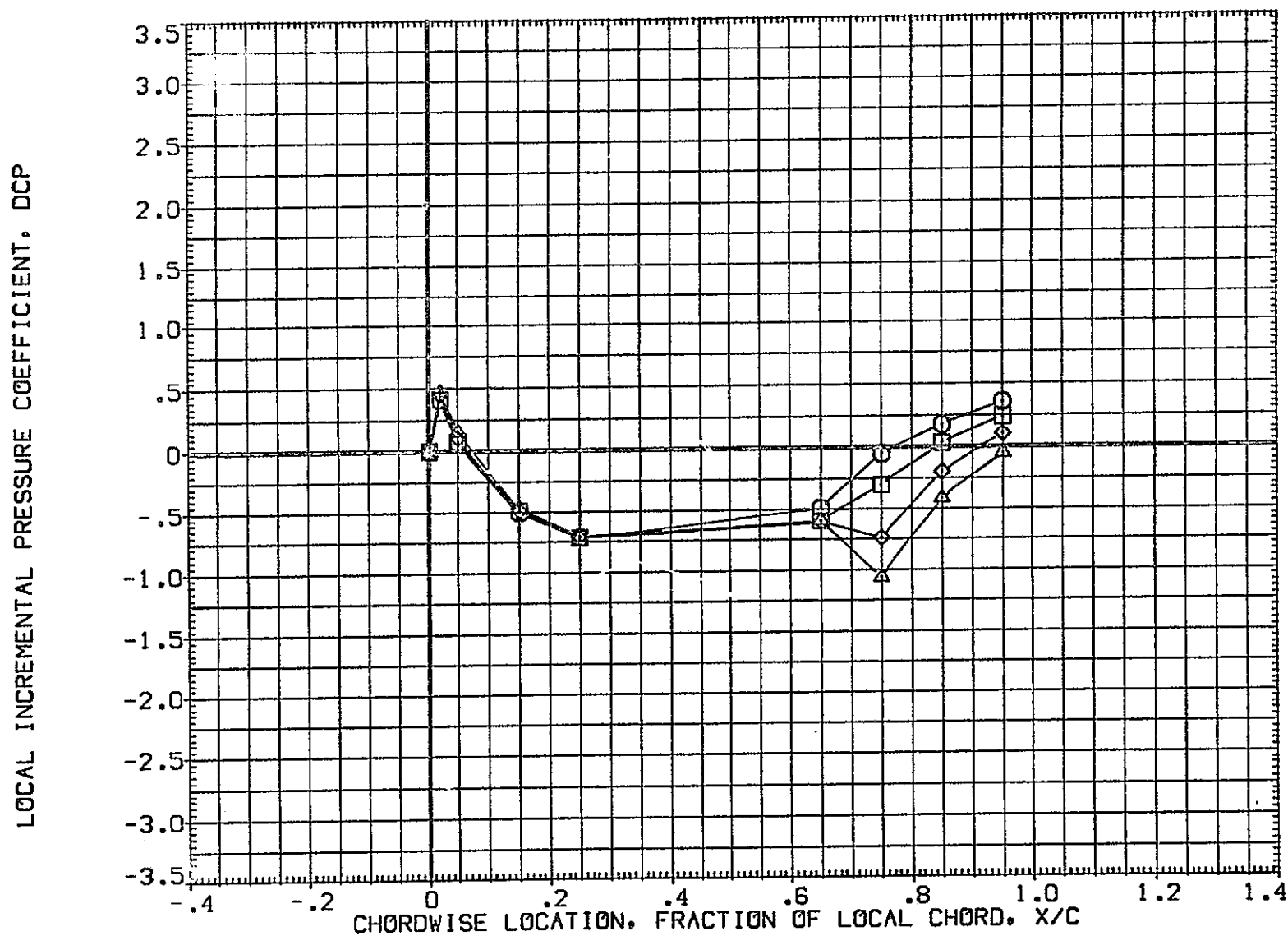


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = .000 2Y/B = .771 PAGE 584

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

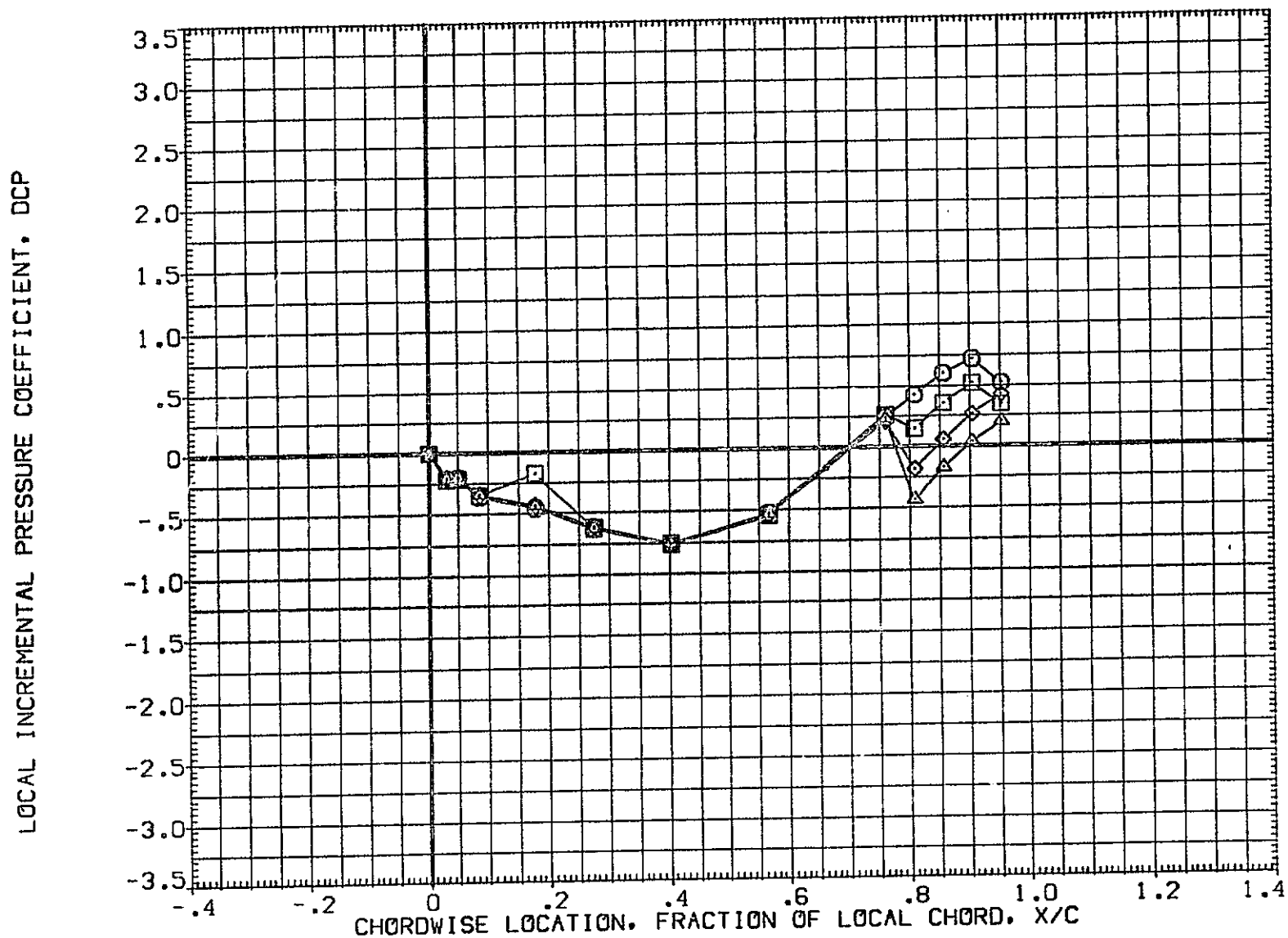


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 2.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

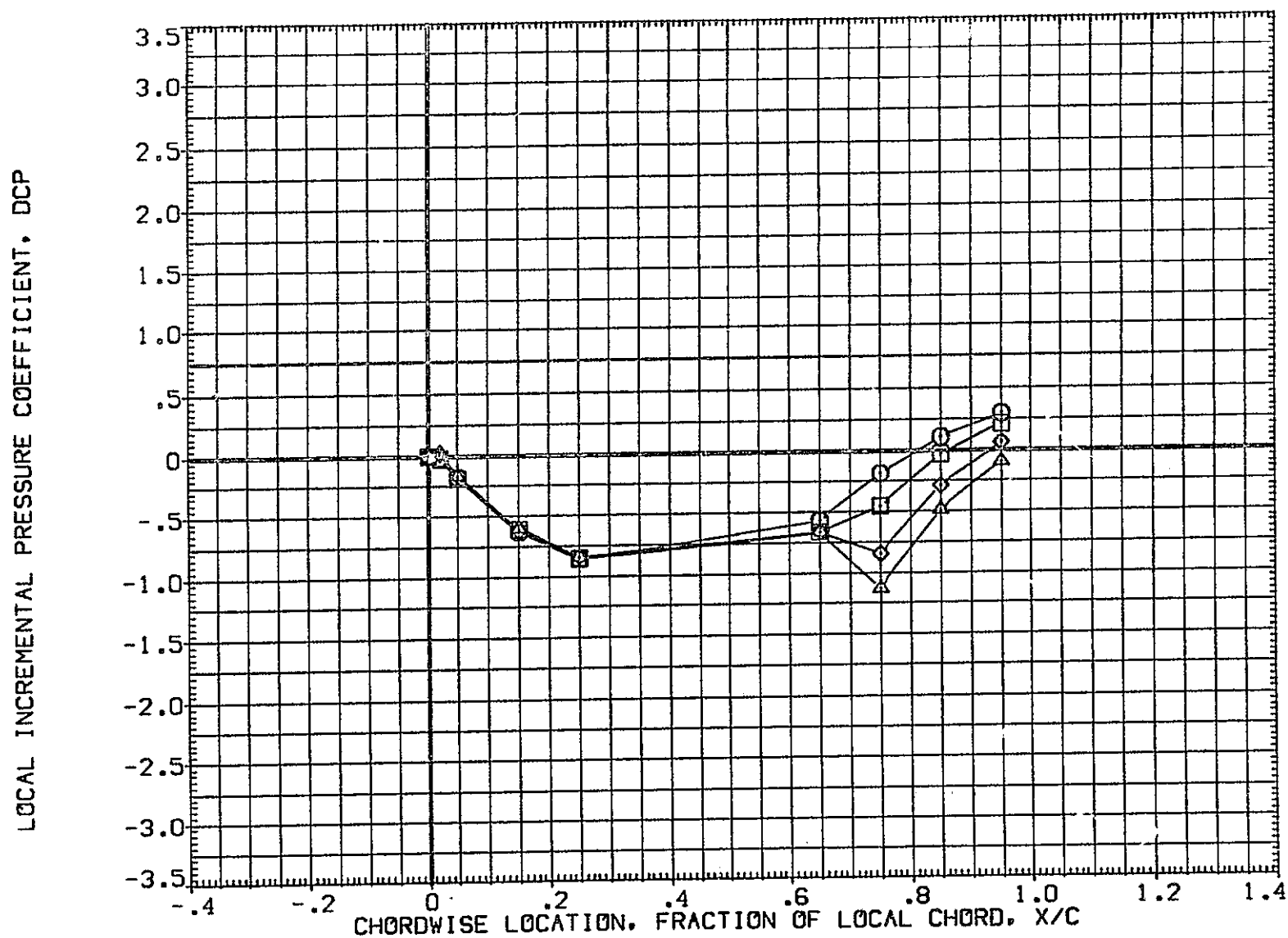


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 2.000 2Y/B = .771 PAGE 586

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

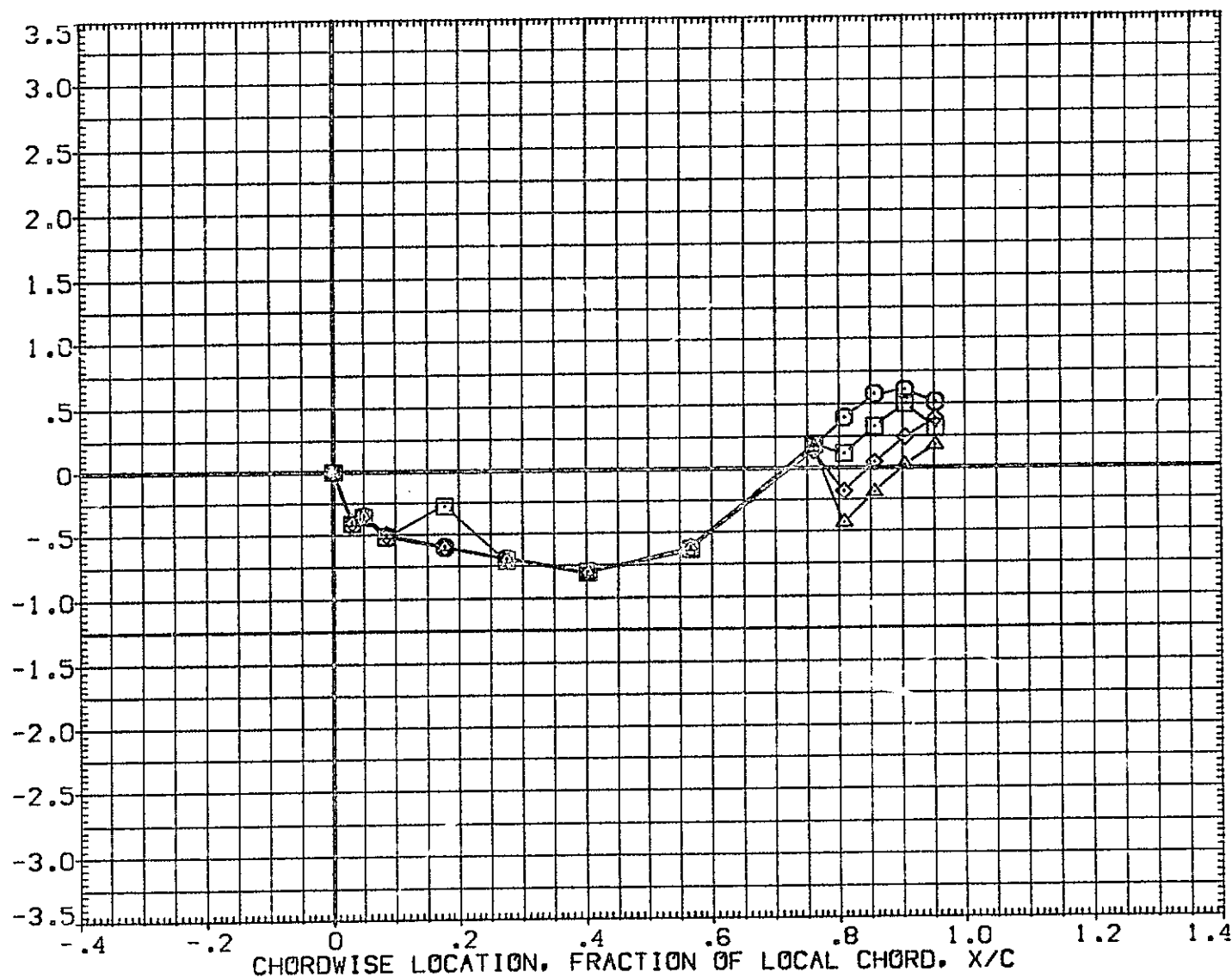


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.120 ALPHA = 4.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

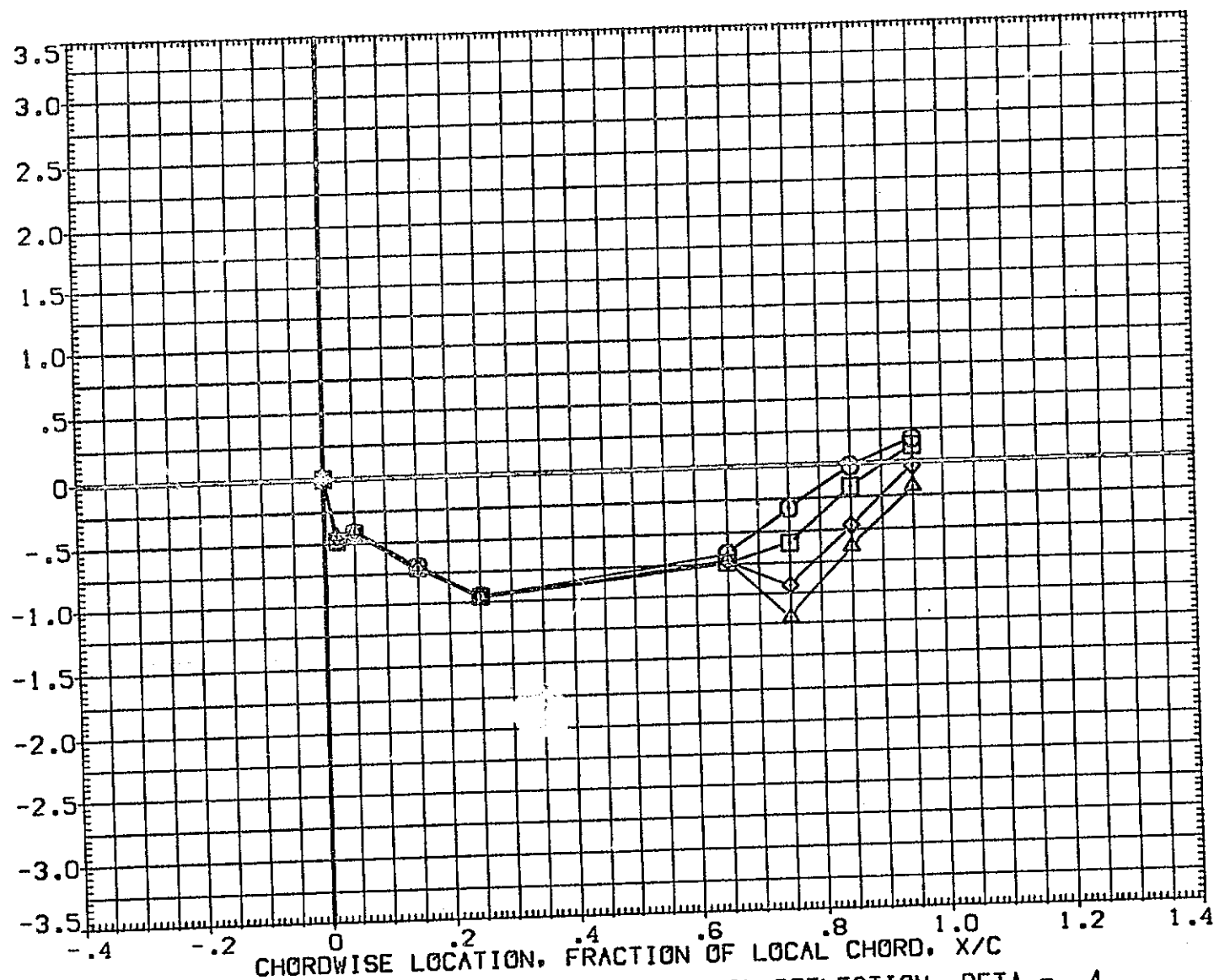


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

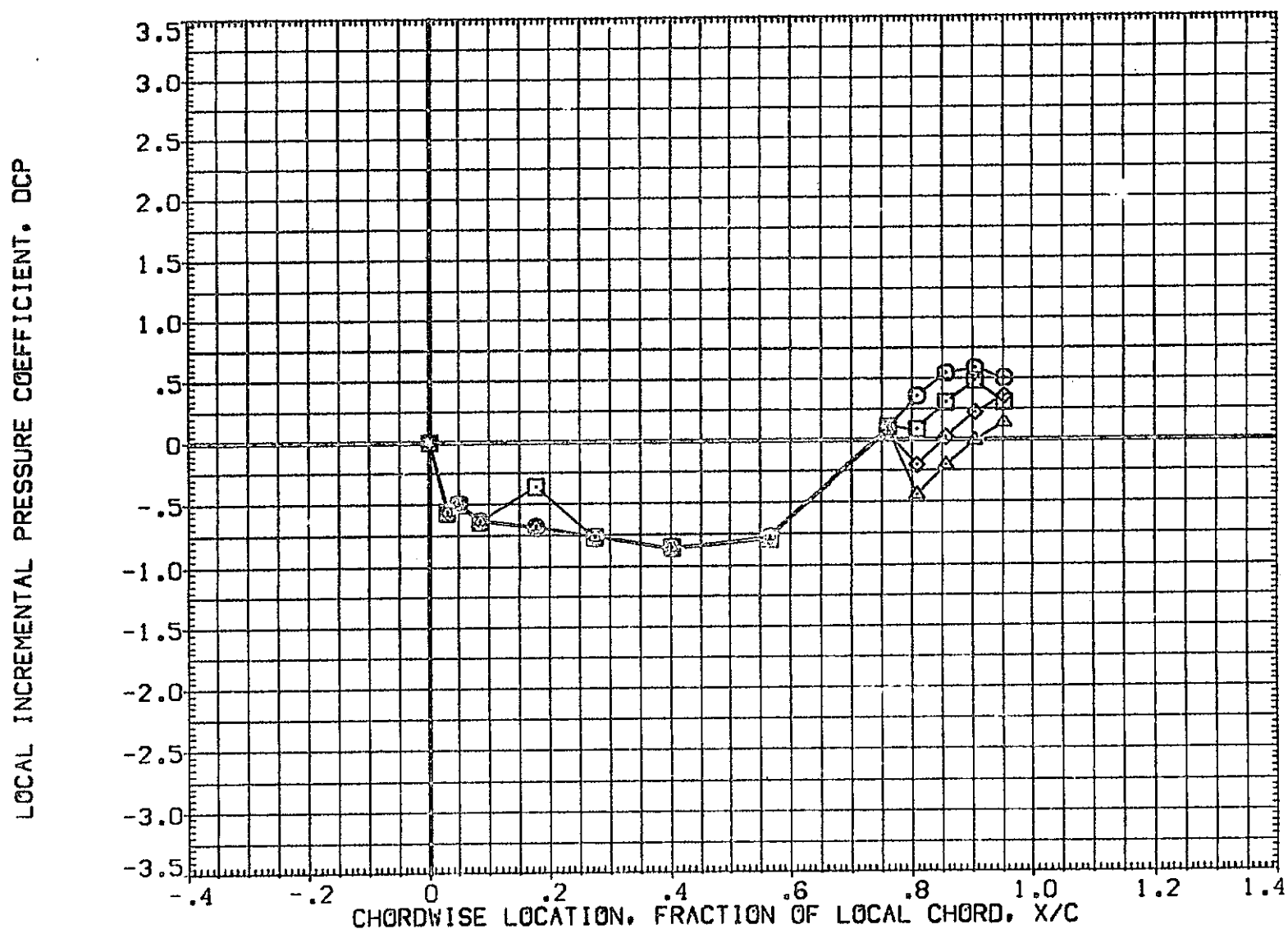


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 6.000 2Y/B = .436 PAGE 589

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

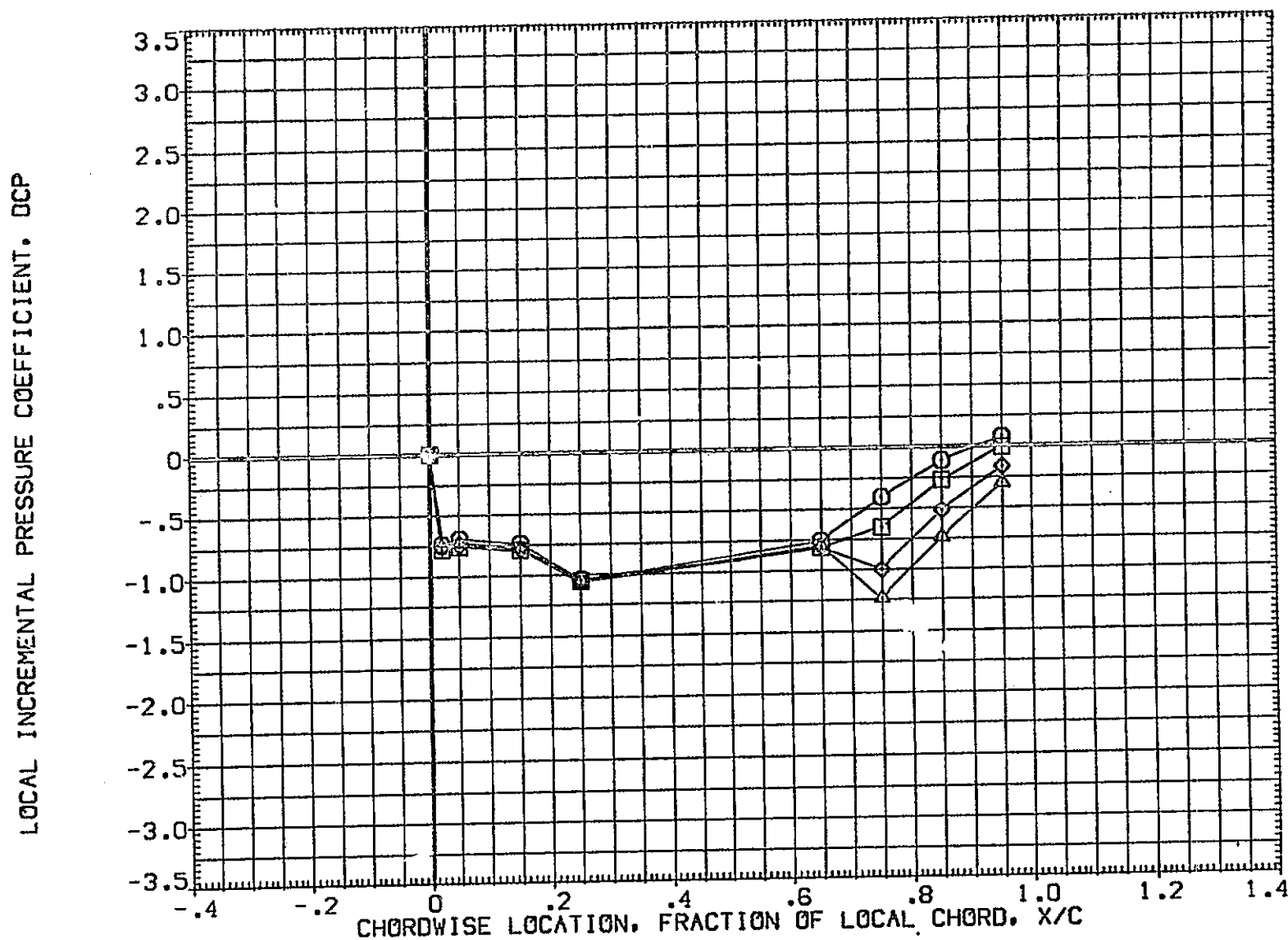


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 6.000 2Y/B = .771 PAGE 590

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

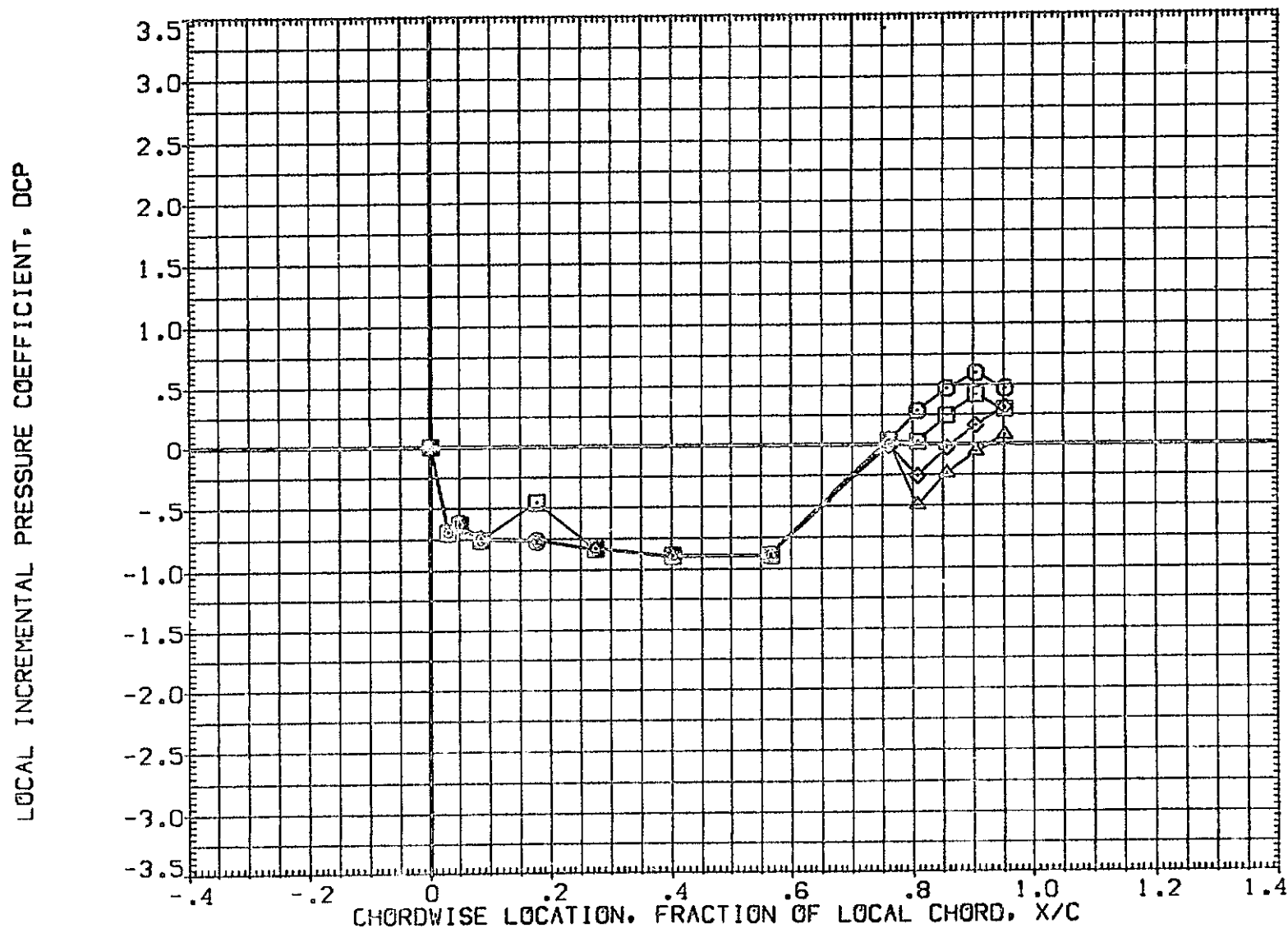


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 8.000 2Y/B = .436 PAGE 591

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

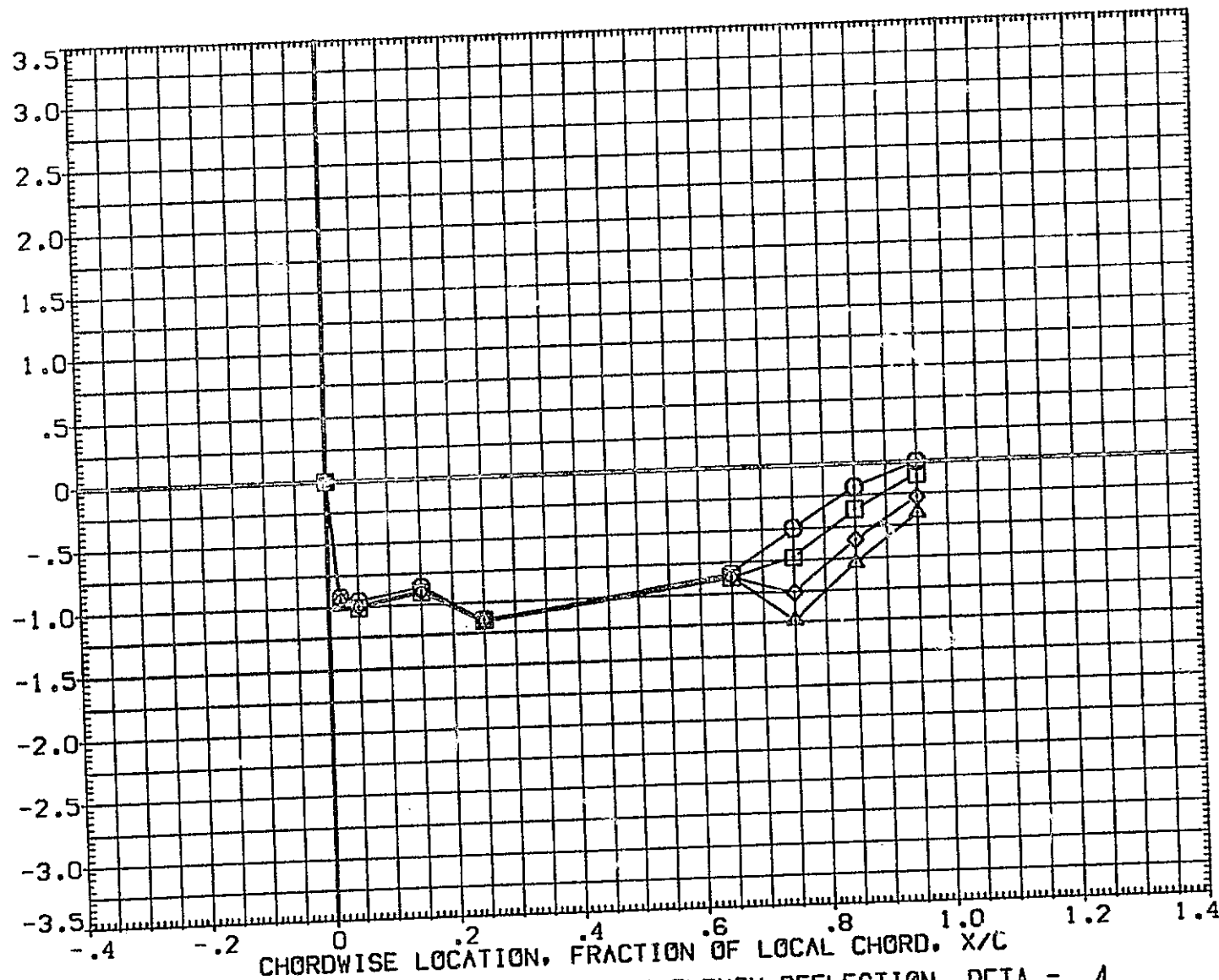


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.120 ALPHA = 8.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

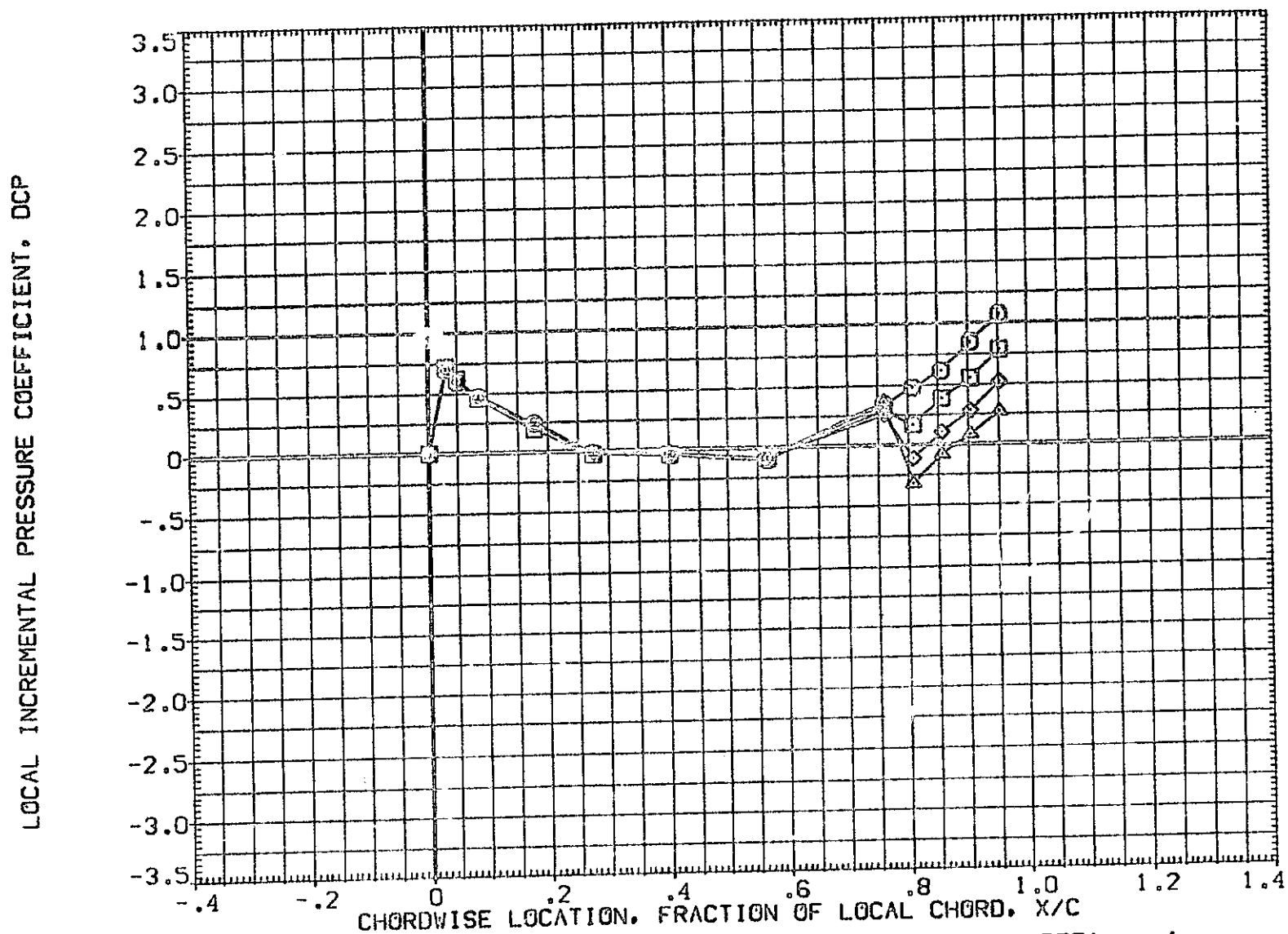


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -8.000 2Y/B = .436 PAGE 593

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

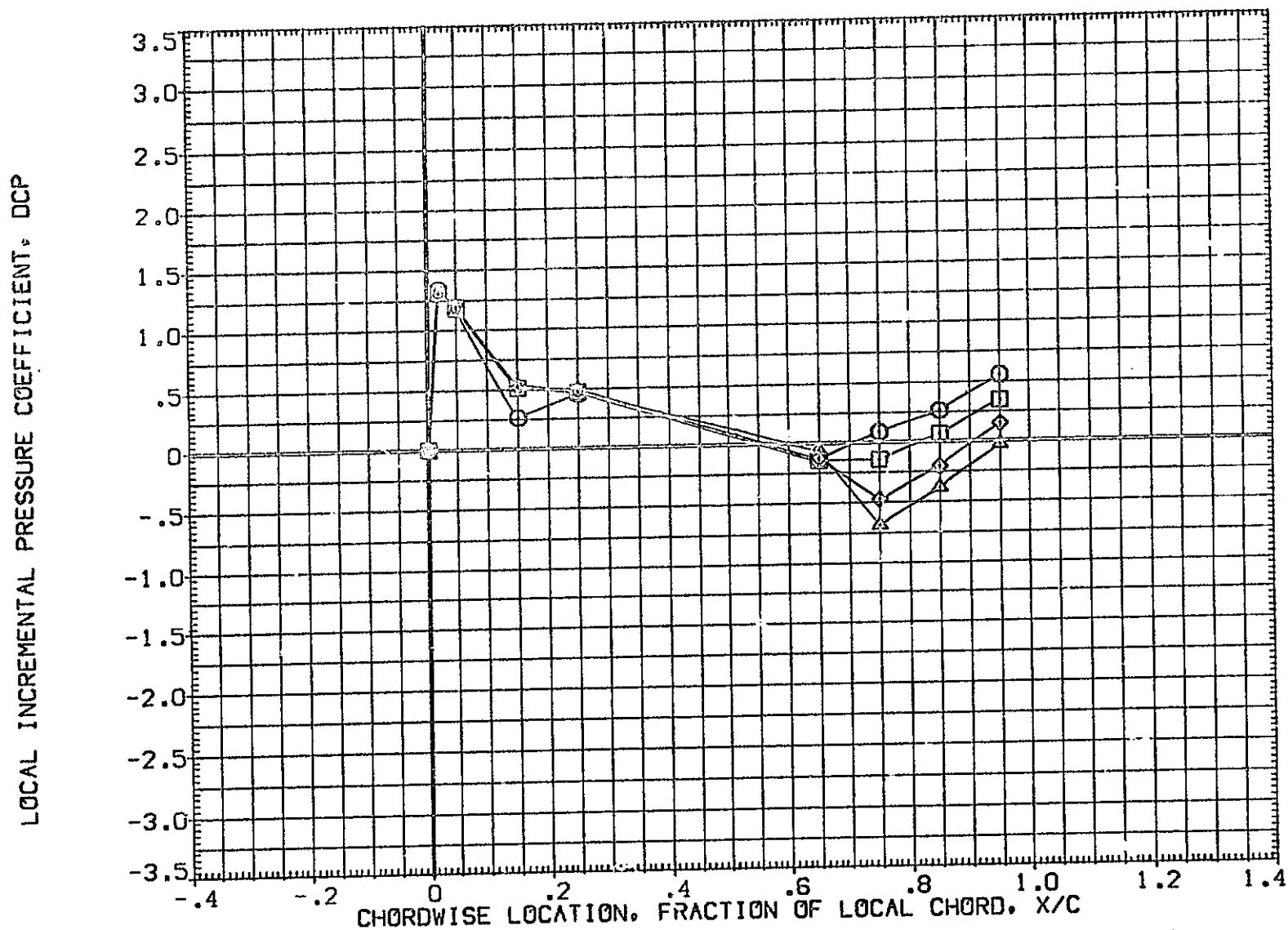


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -8.000 2Y/B = .771 PAGE 594

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

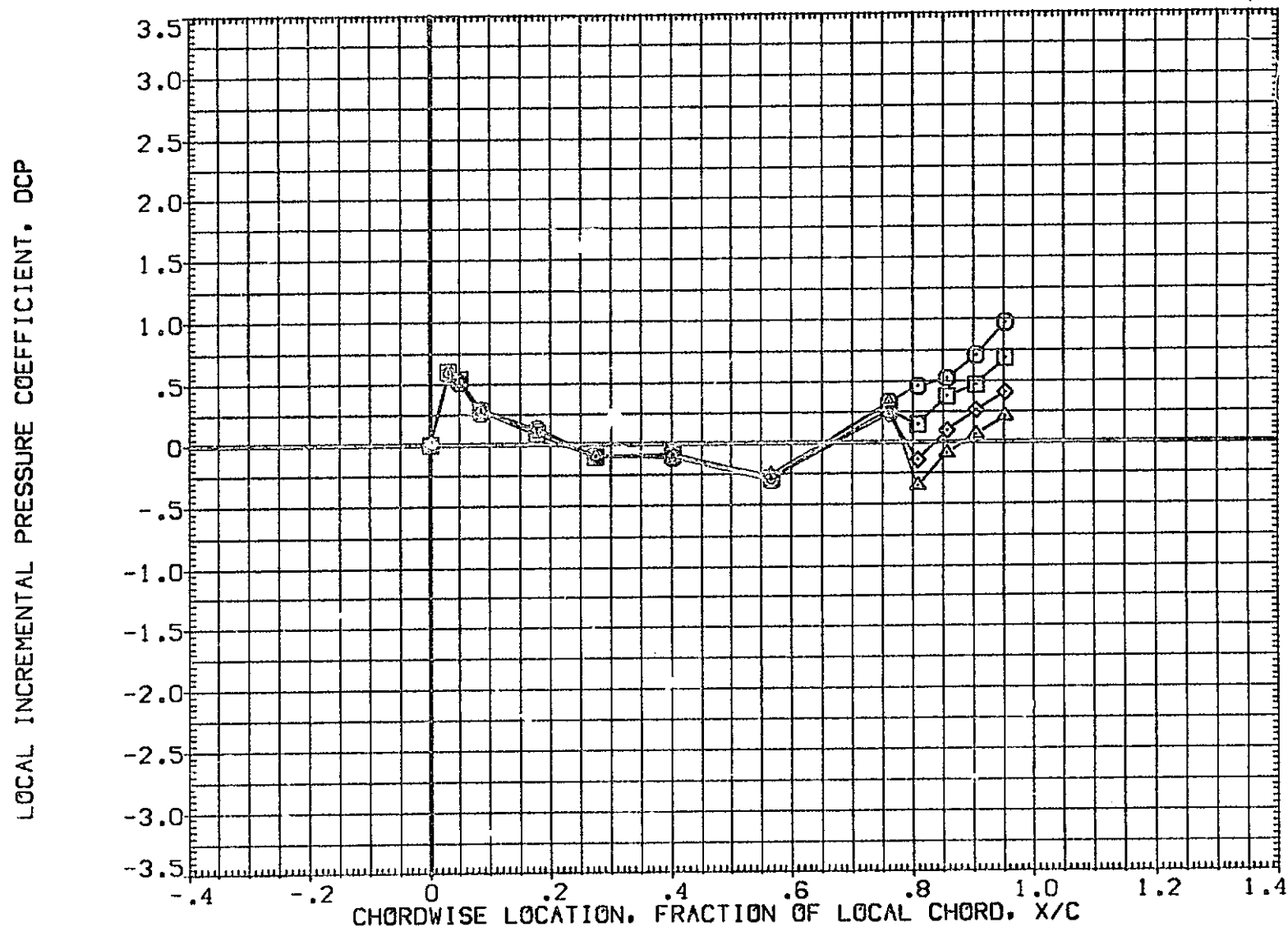


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -6.000 2Y/B = .436 PAGE 595

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

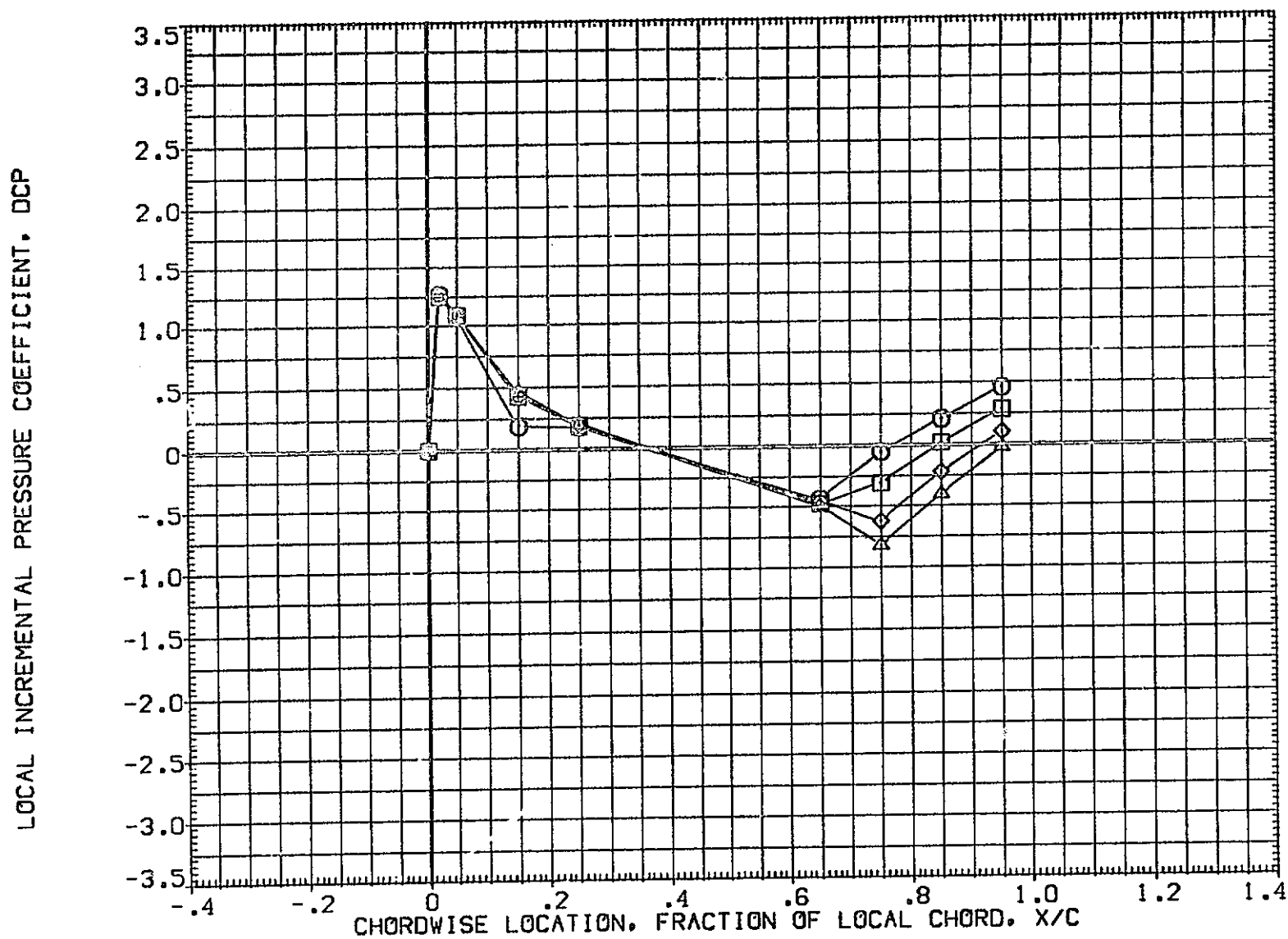


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

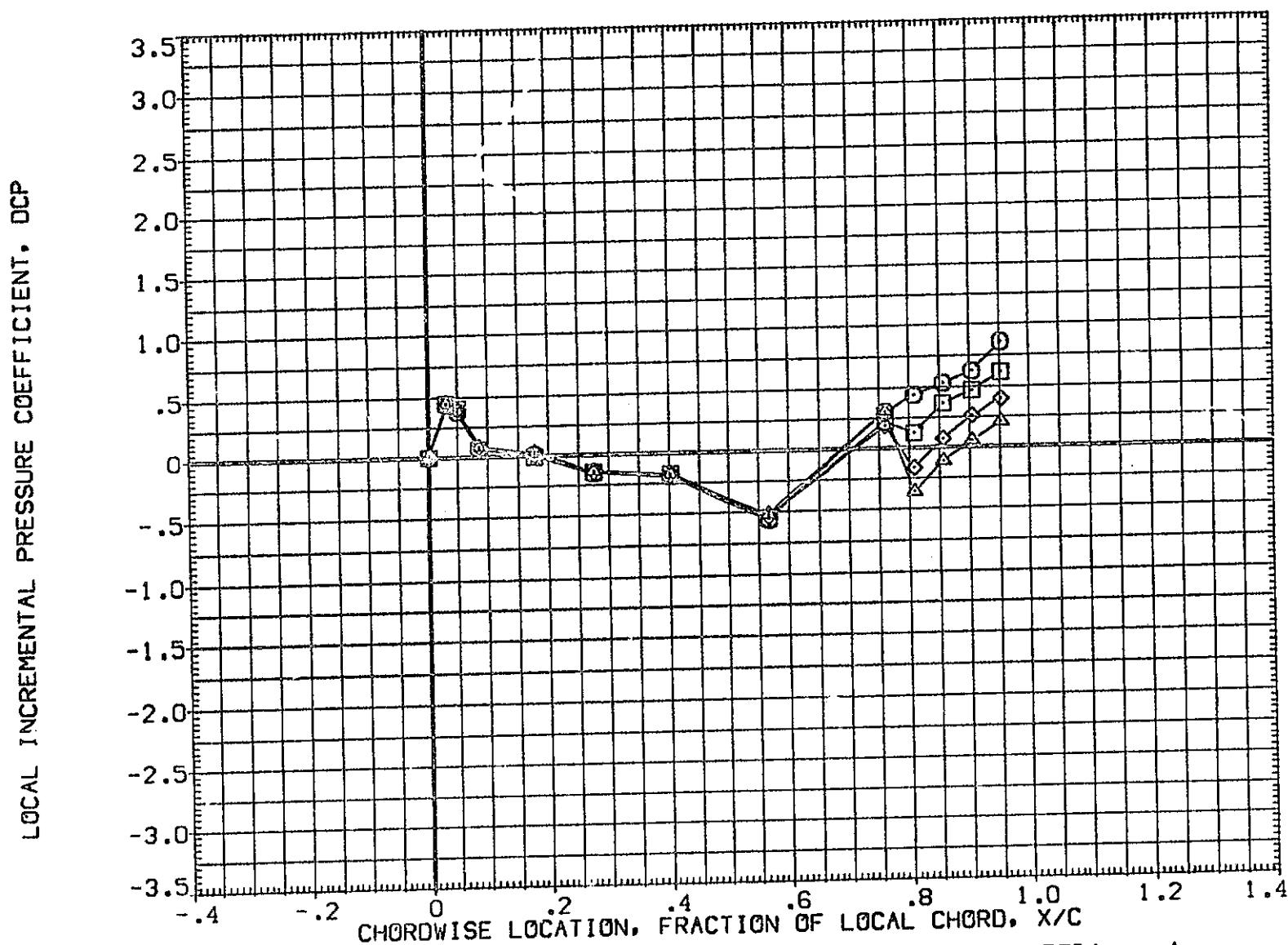


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 Q1 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 Q1 T12 S1 P2 P6 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 Q1 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 Q1 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

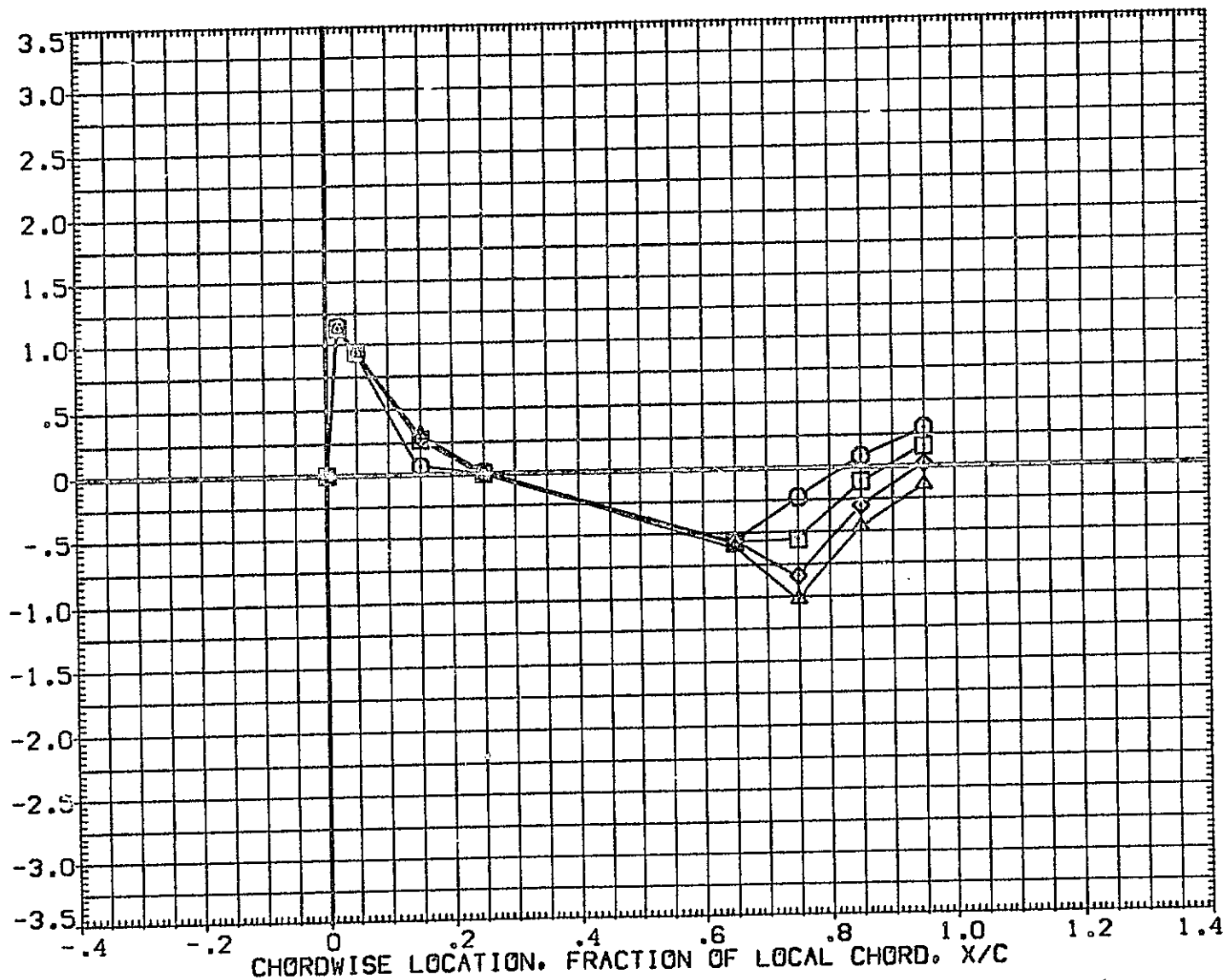


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

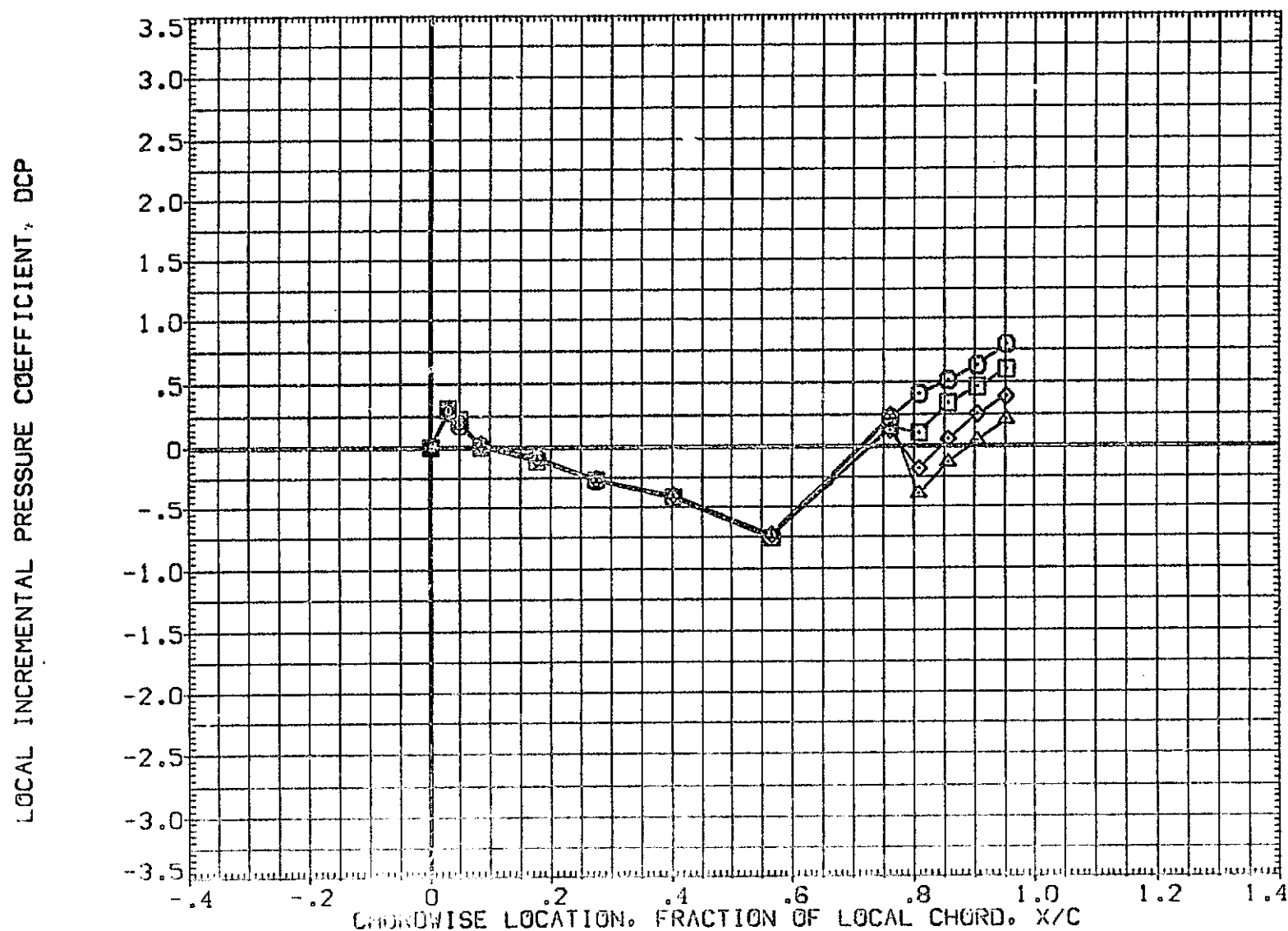


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = -2.000 2Y/B = .436

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

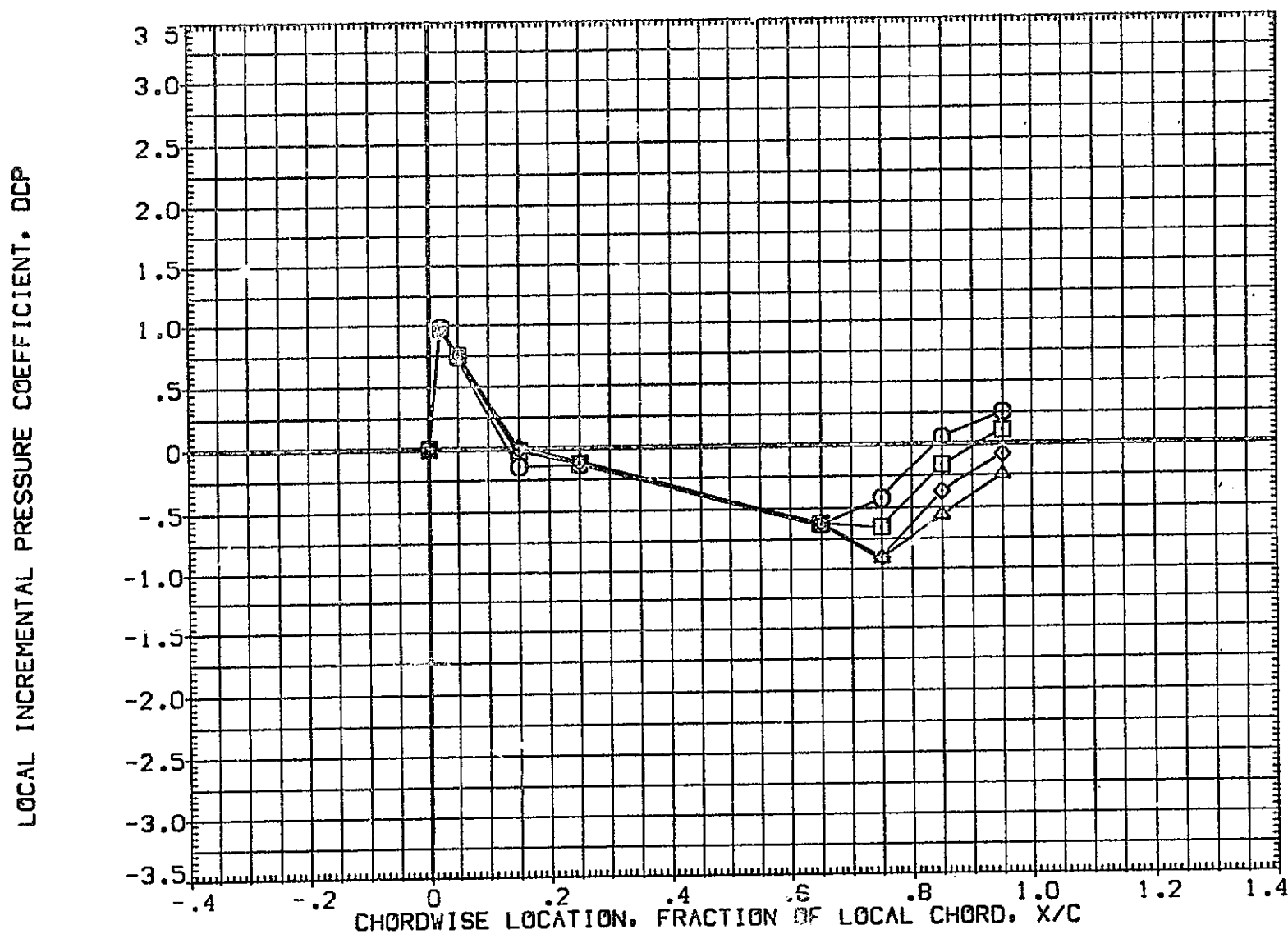


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = -2.000 2Y/B = .771 PAGE 600

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

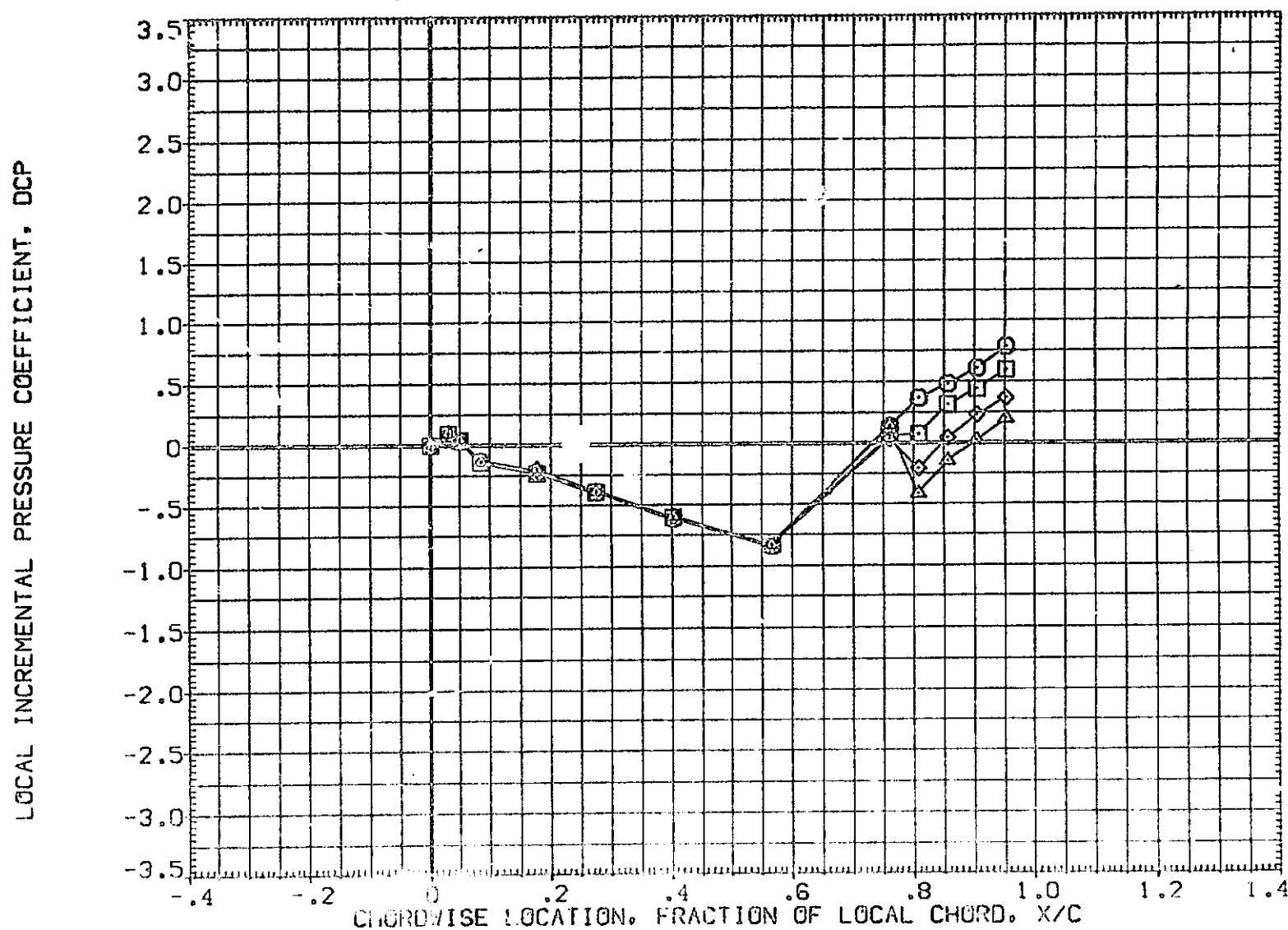


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = .000 2Y/B = .436 PAGE 601

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

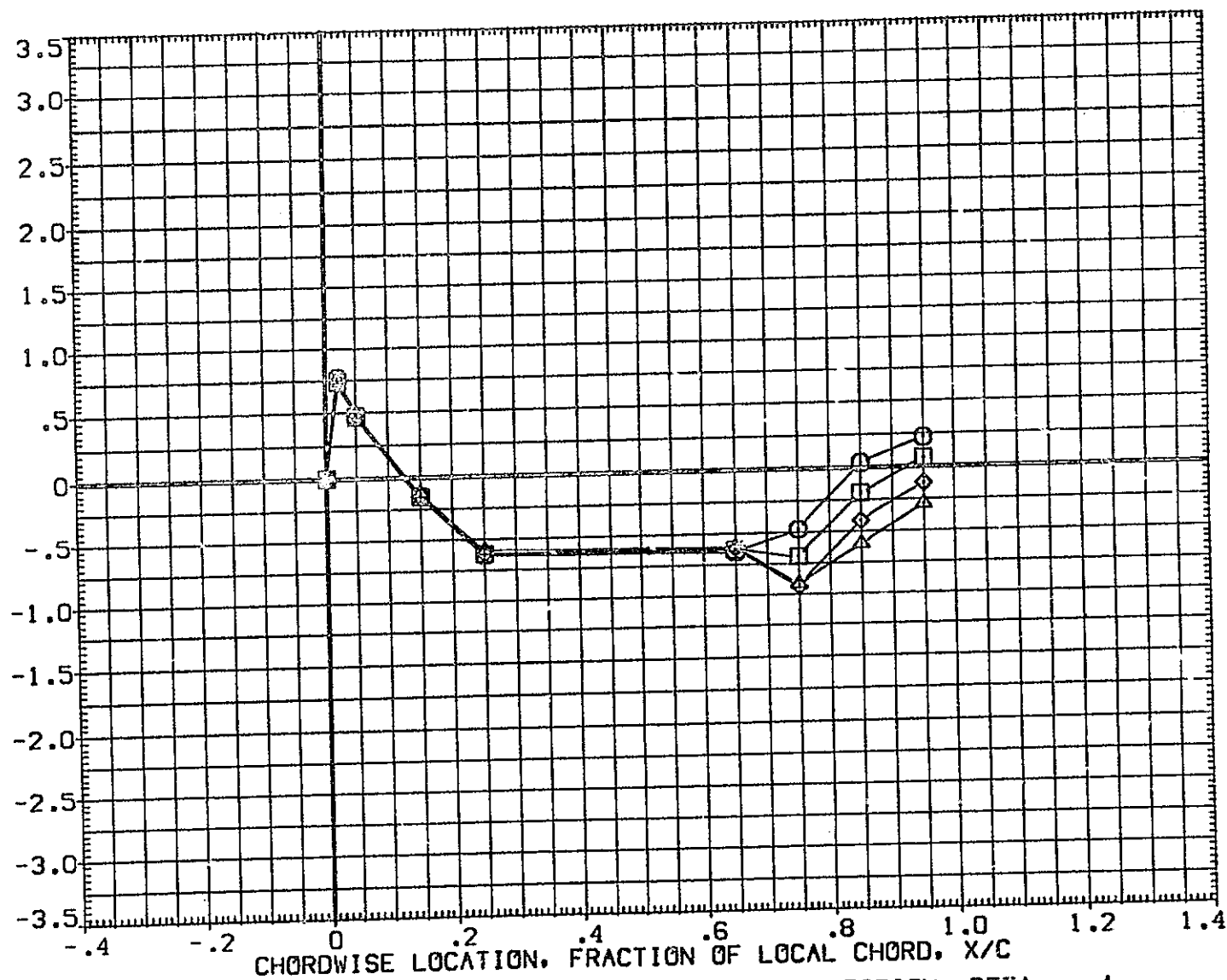


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

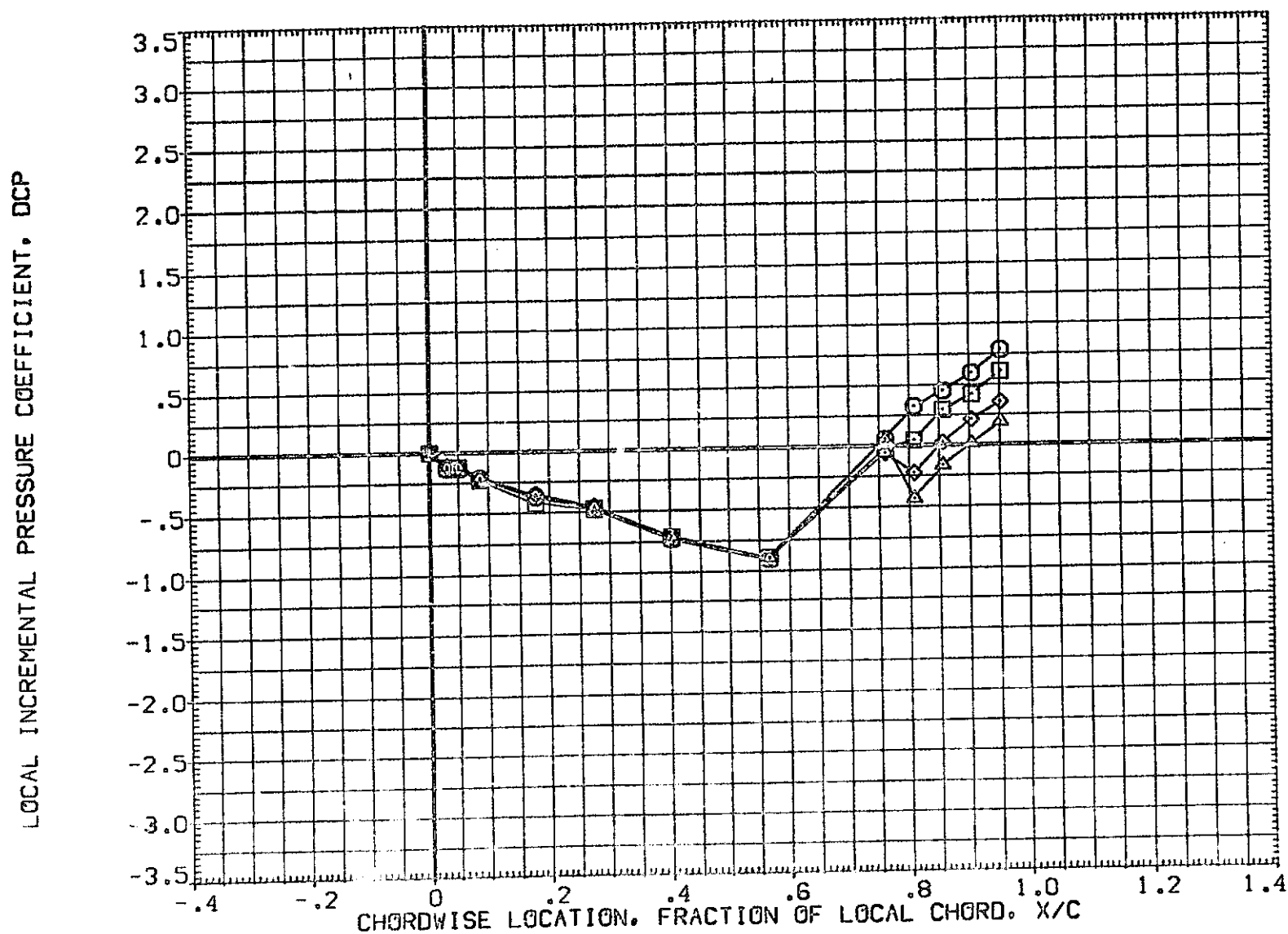


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 2.000 2Y/B = .436 PAGE 603

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P3 WING (LOWER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

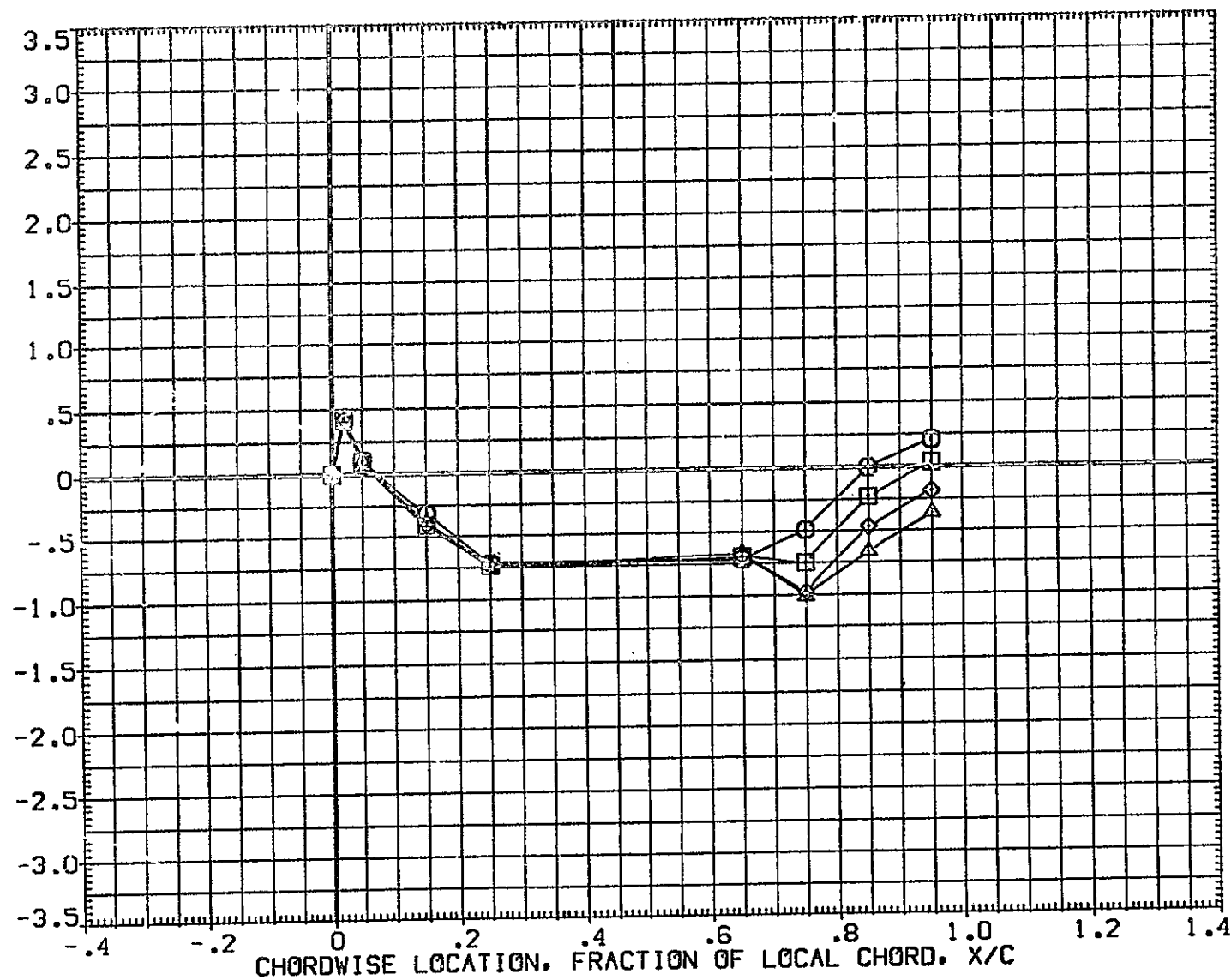


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

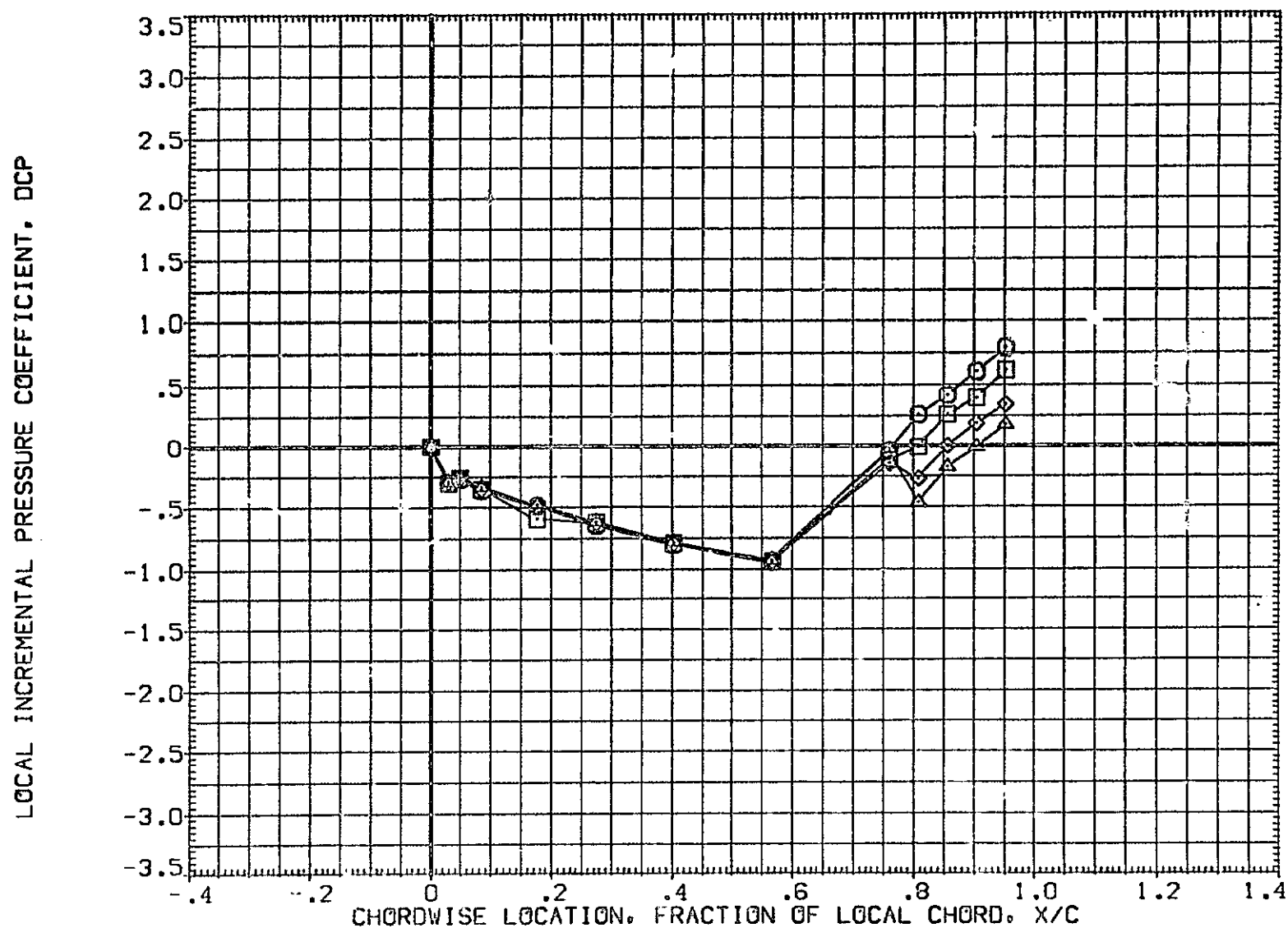


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 4.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	0.000	12.000	12.000	12.000

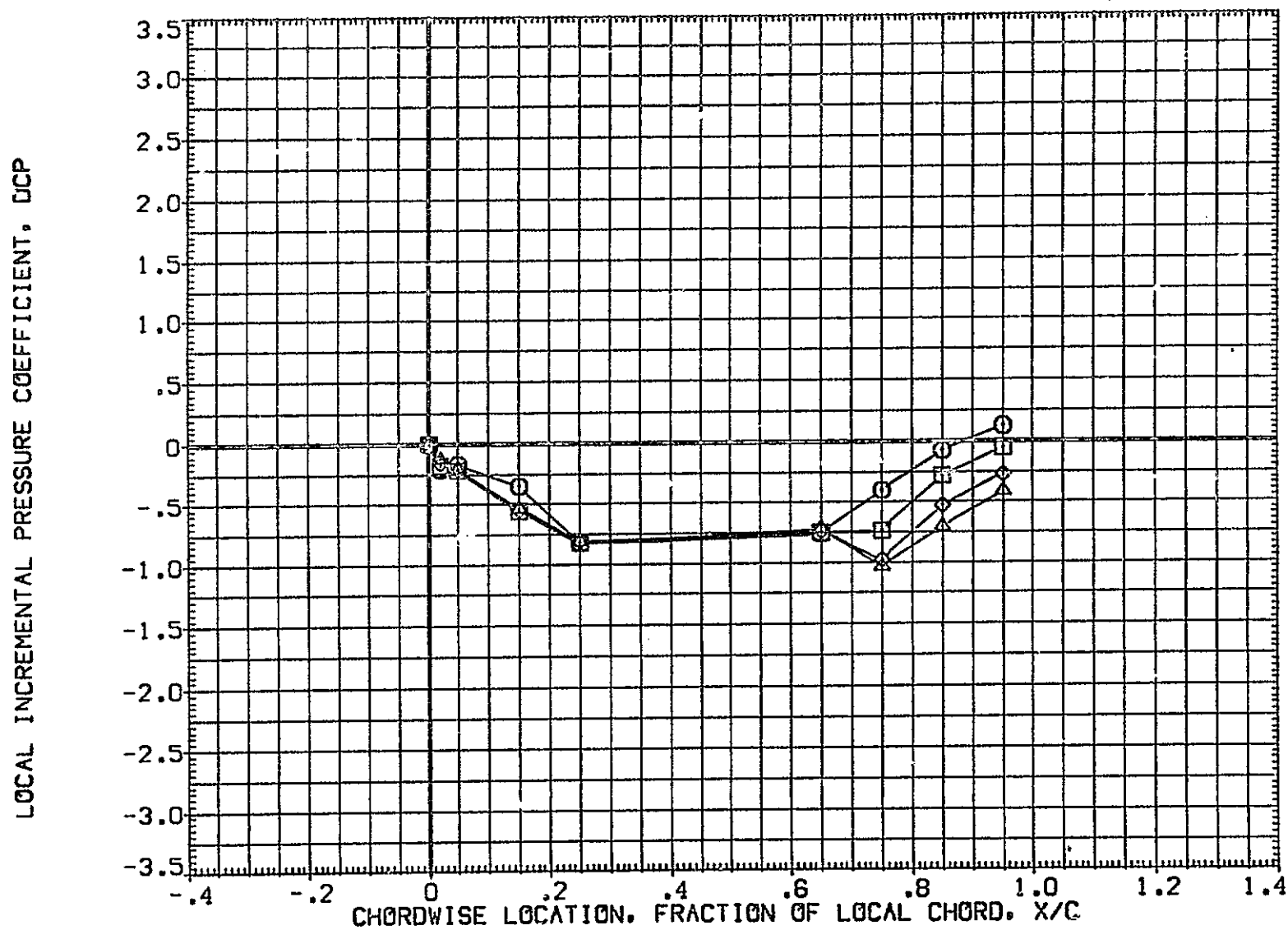


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

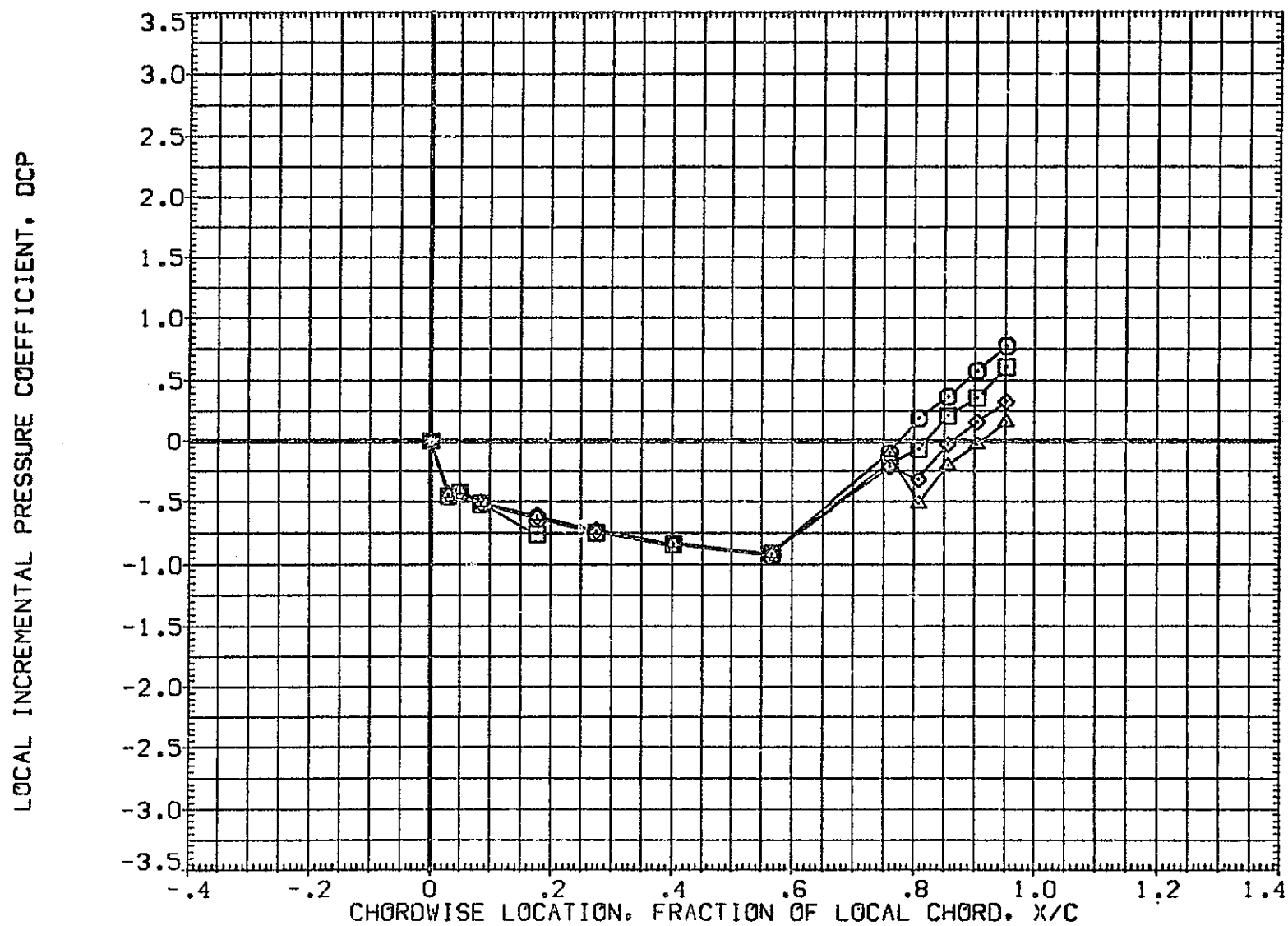


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 6.000 2Y/B = .436

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7045)	□	1A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P3 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

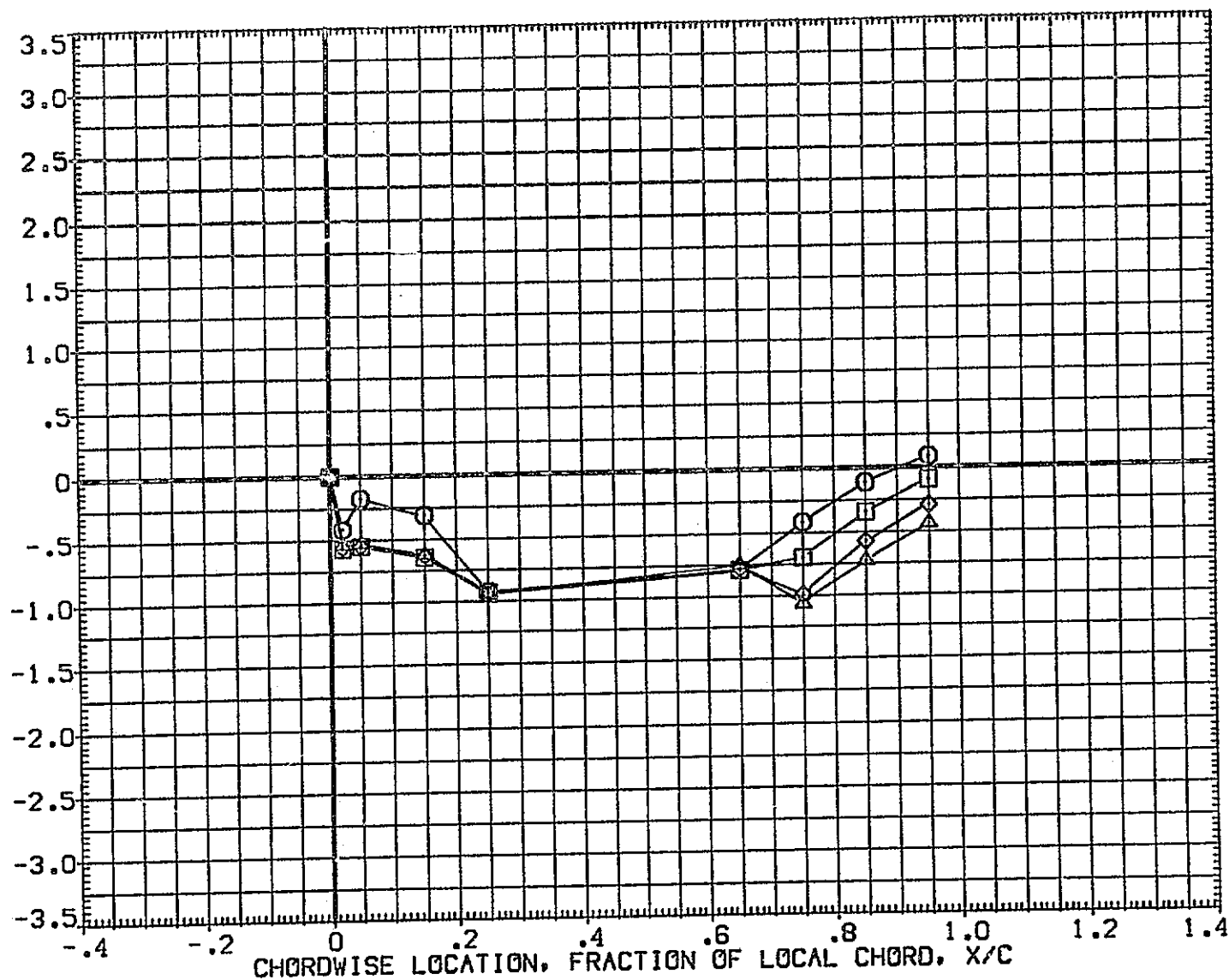


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

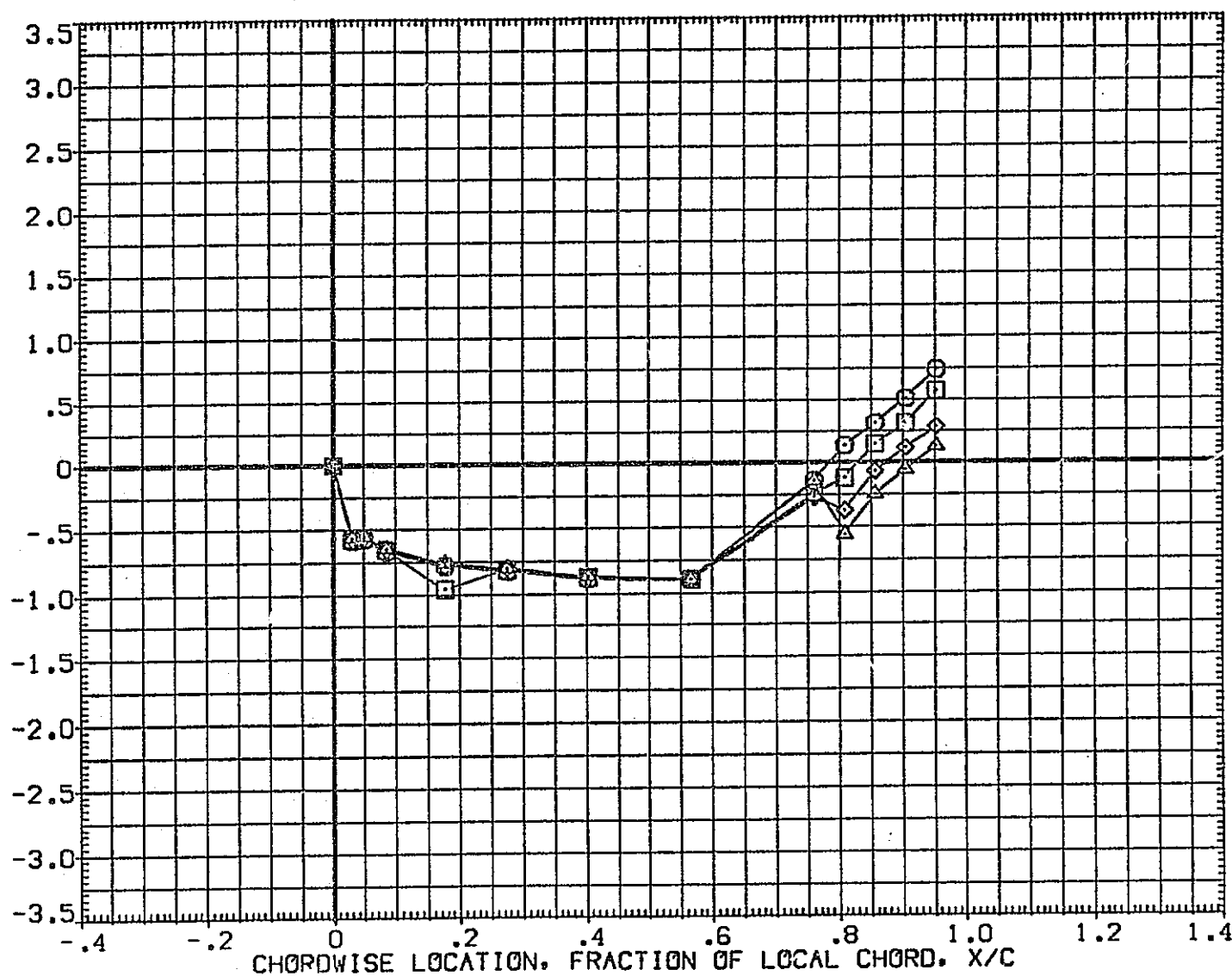


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.240 ALPHA = 8.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

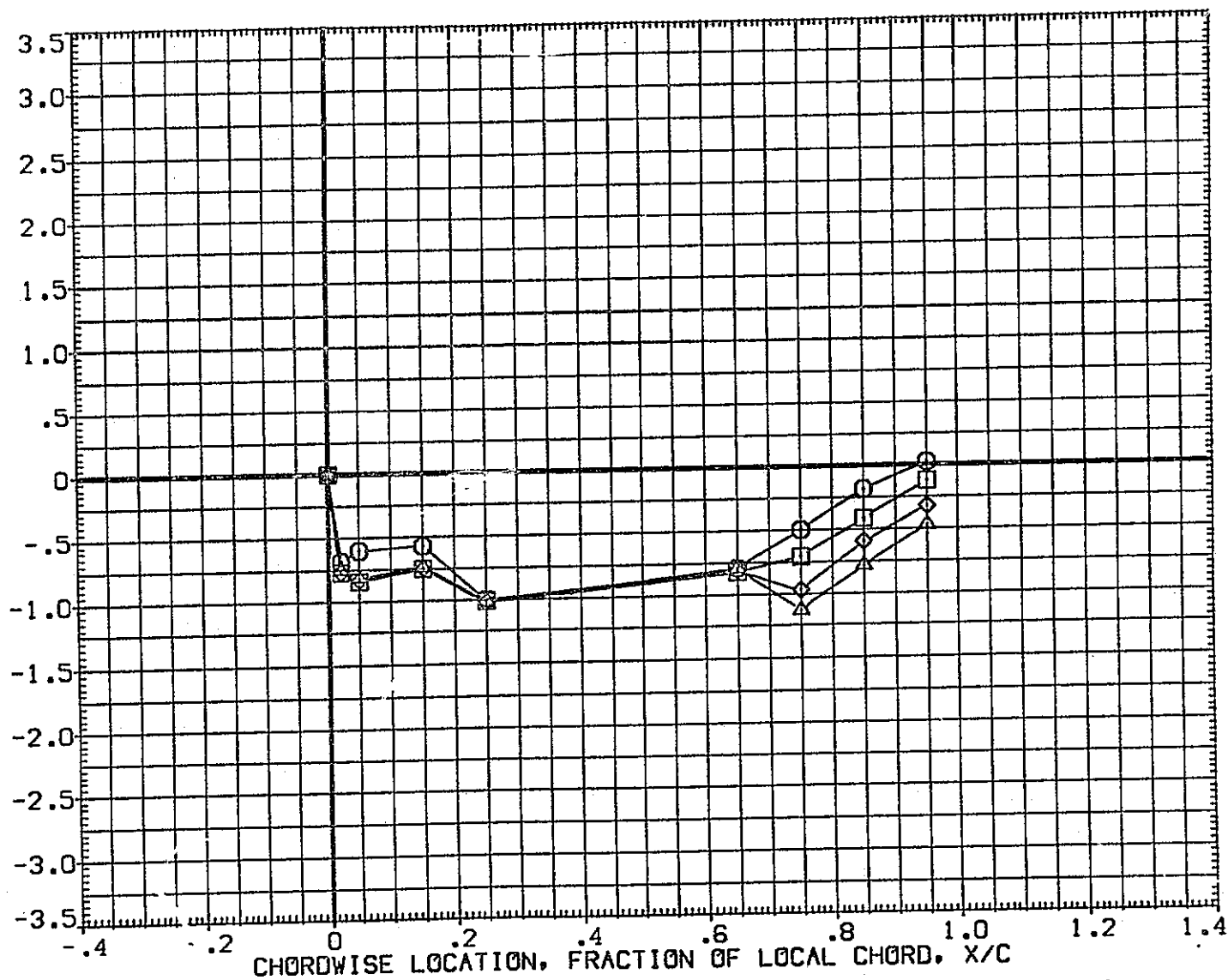


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.240 ALPHA = 8.000 2Y/B = .771 PAGE 610

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING [UPPER - LOWER]	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING [UPPER - LOWER]	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING [UPPER - LOWER]	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING [UPPER - LOWER]	8.000	12.000	12.000	12.000

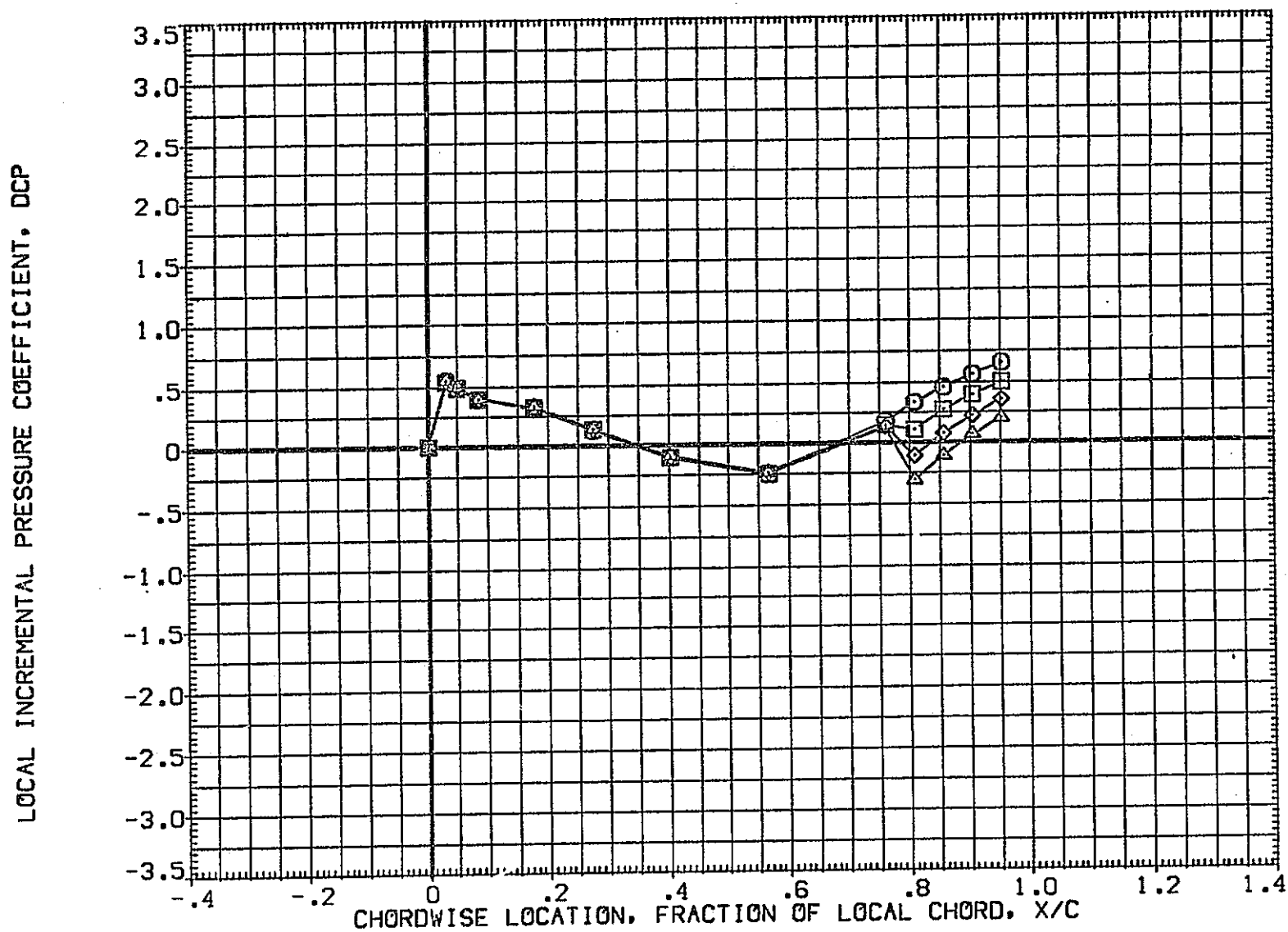


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 8.00° 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 VING (UPPER - LOWER)	9.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

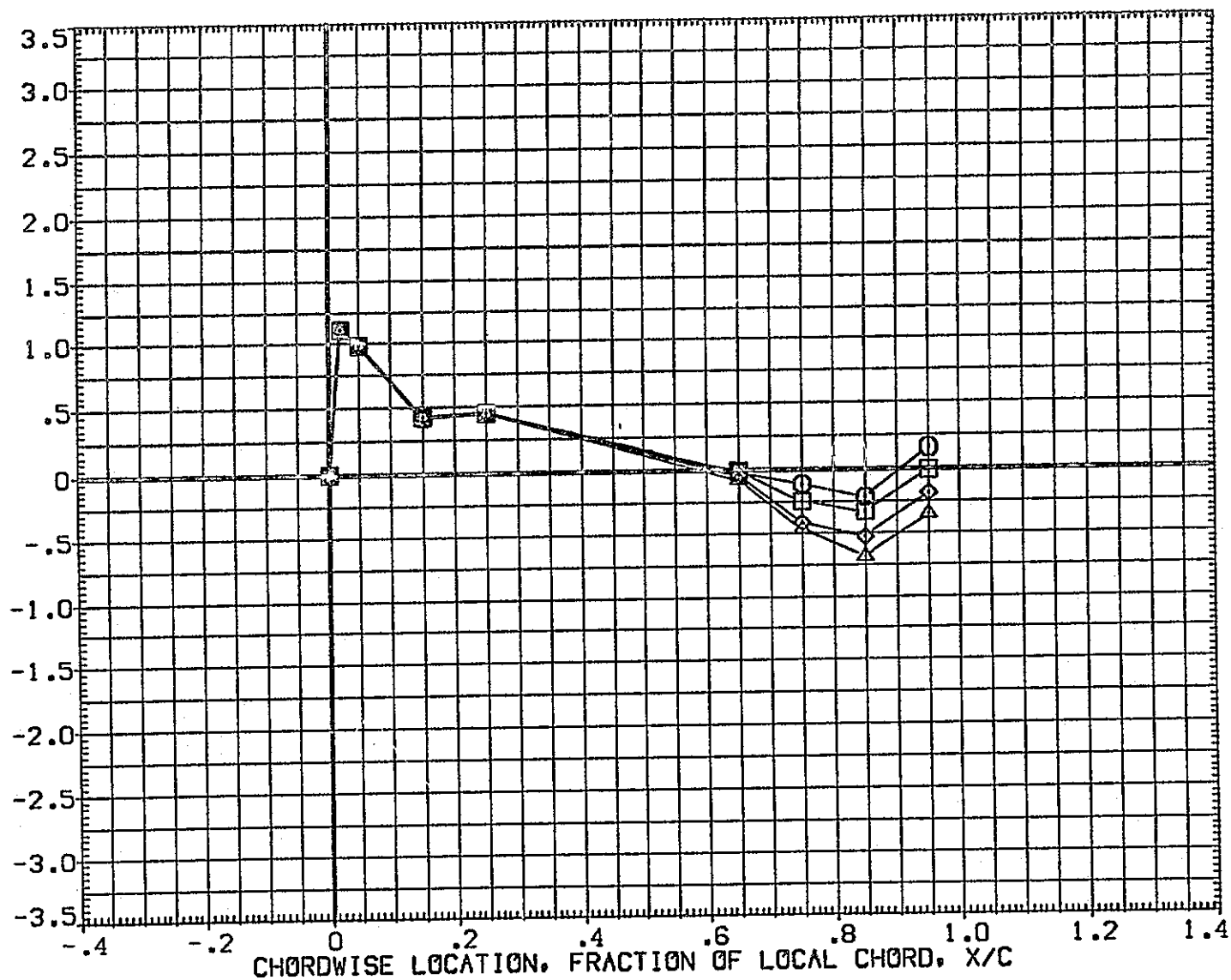


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -8.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

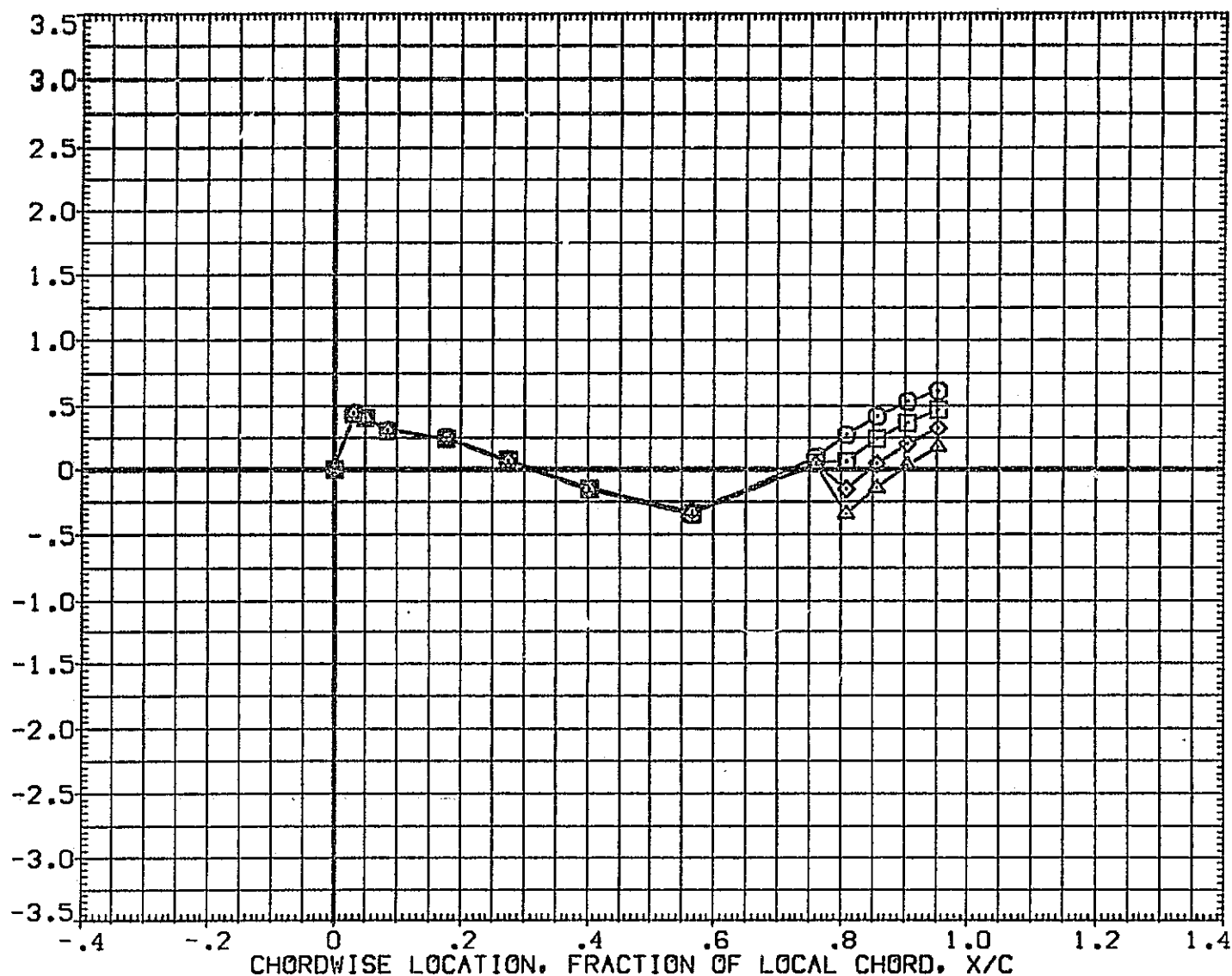


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -6.000 2Y/B = .436

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DATA SET SYM	GL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	□	1A70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	□	1A70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	△	1A70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	△	1A70 01 T12 S1 P2 F3 WING (UPPER - LOWER)	0.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

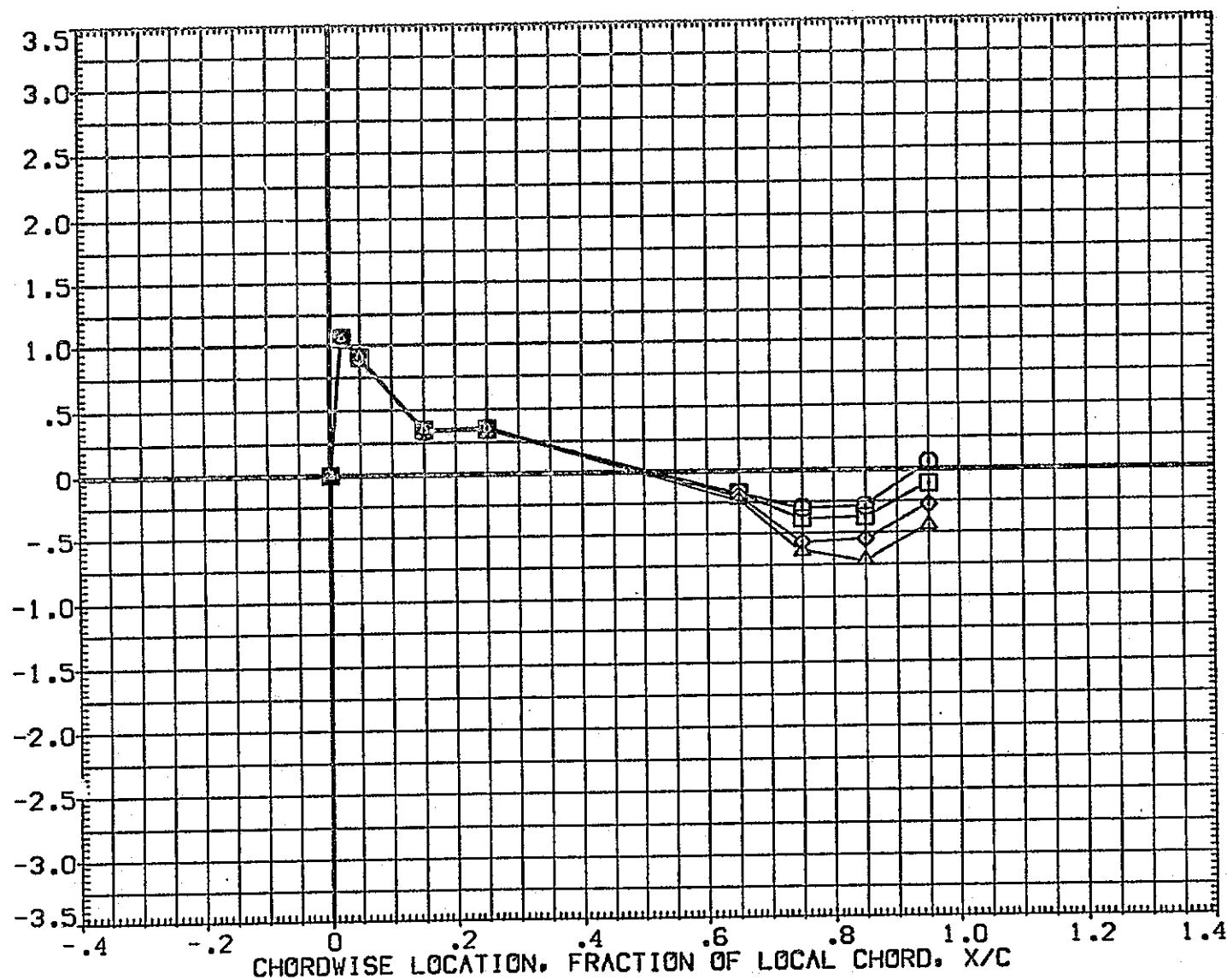


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -6.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

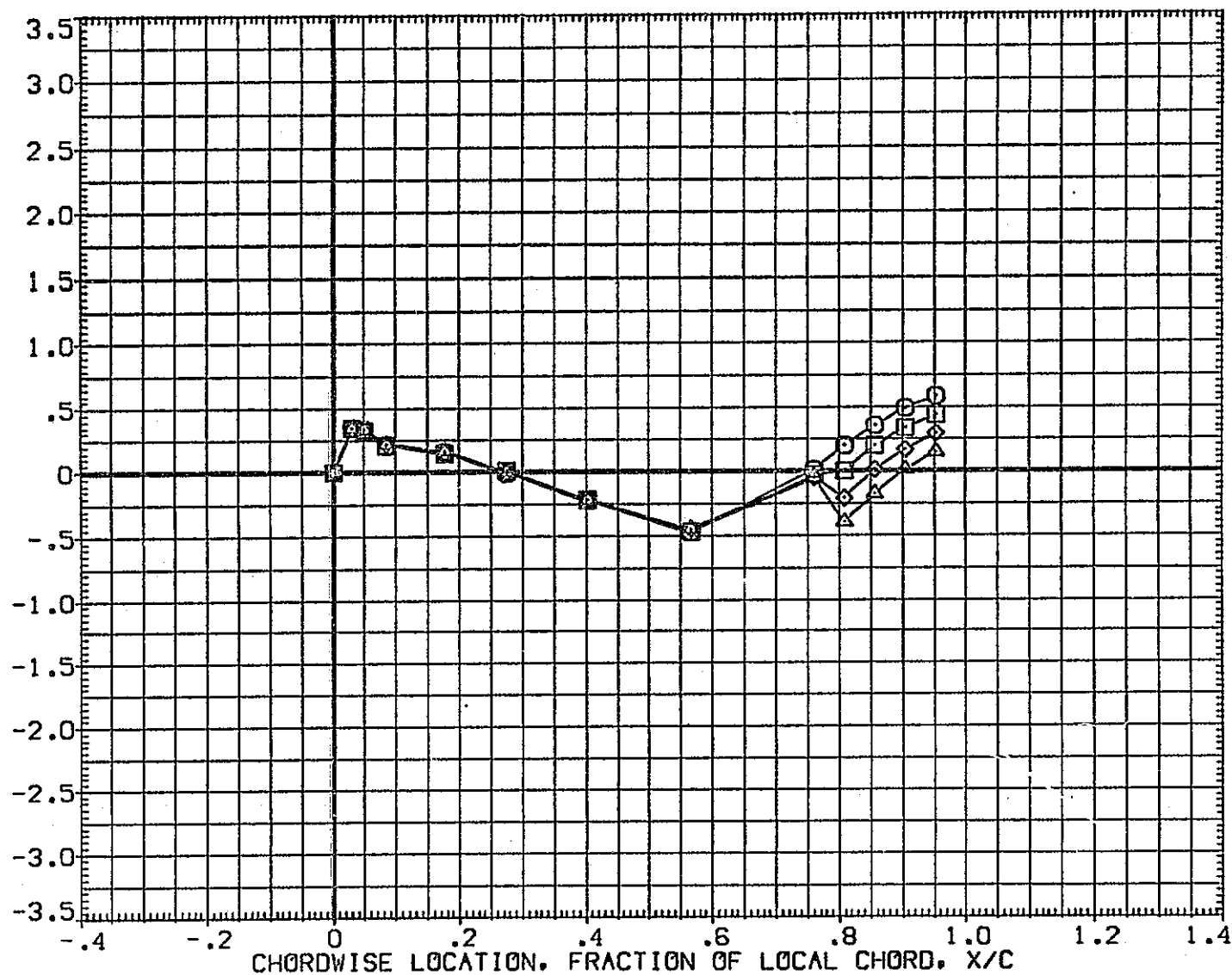


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -4.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	0.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

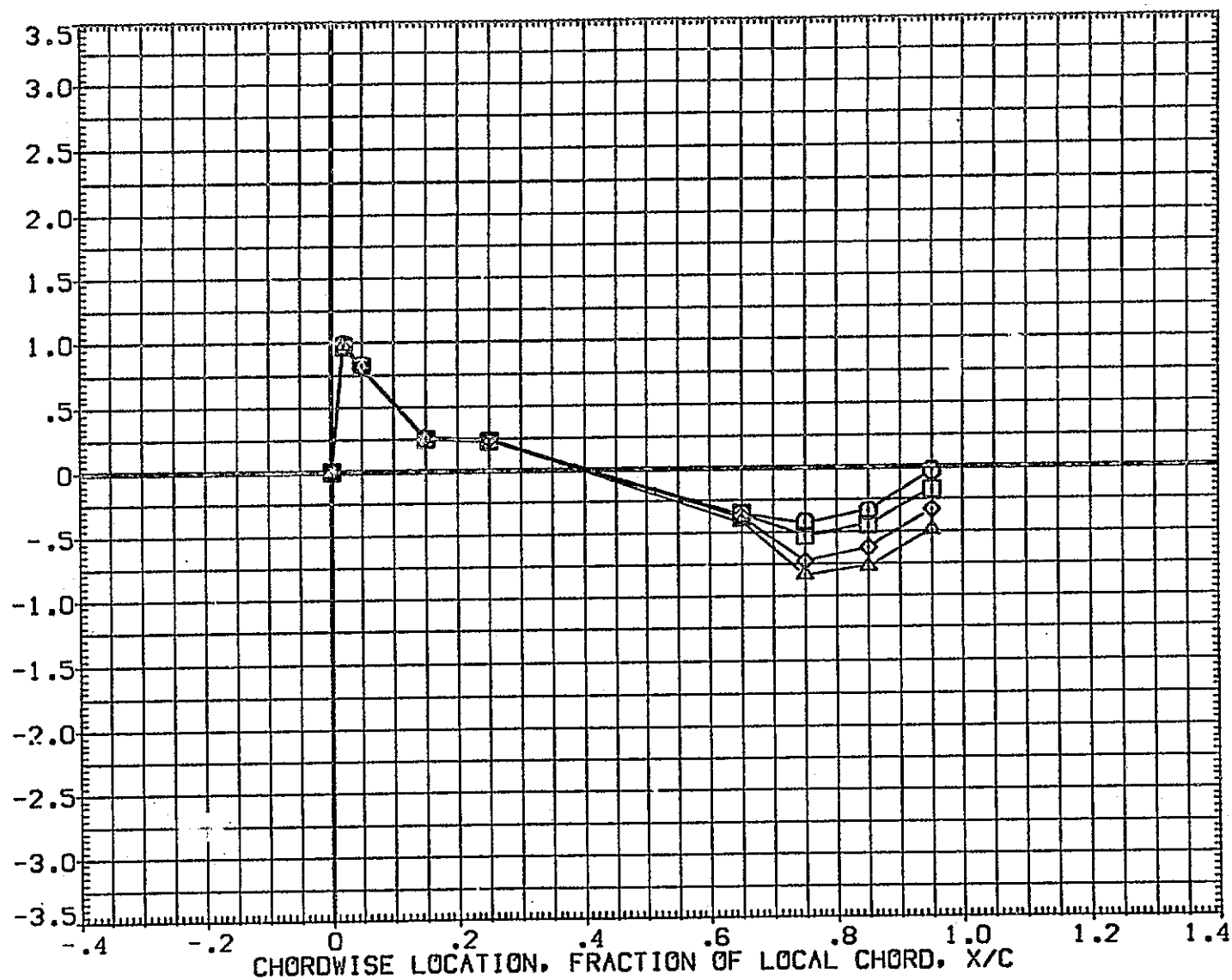


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = -4.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	9.000	12.000	12.000	12.000

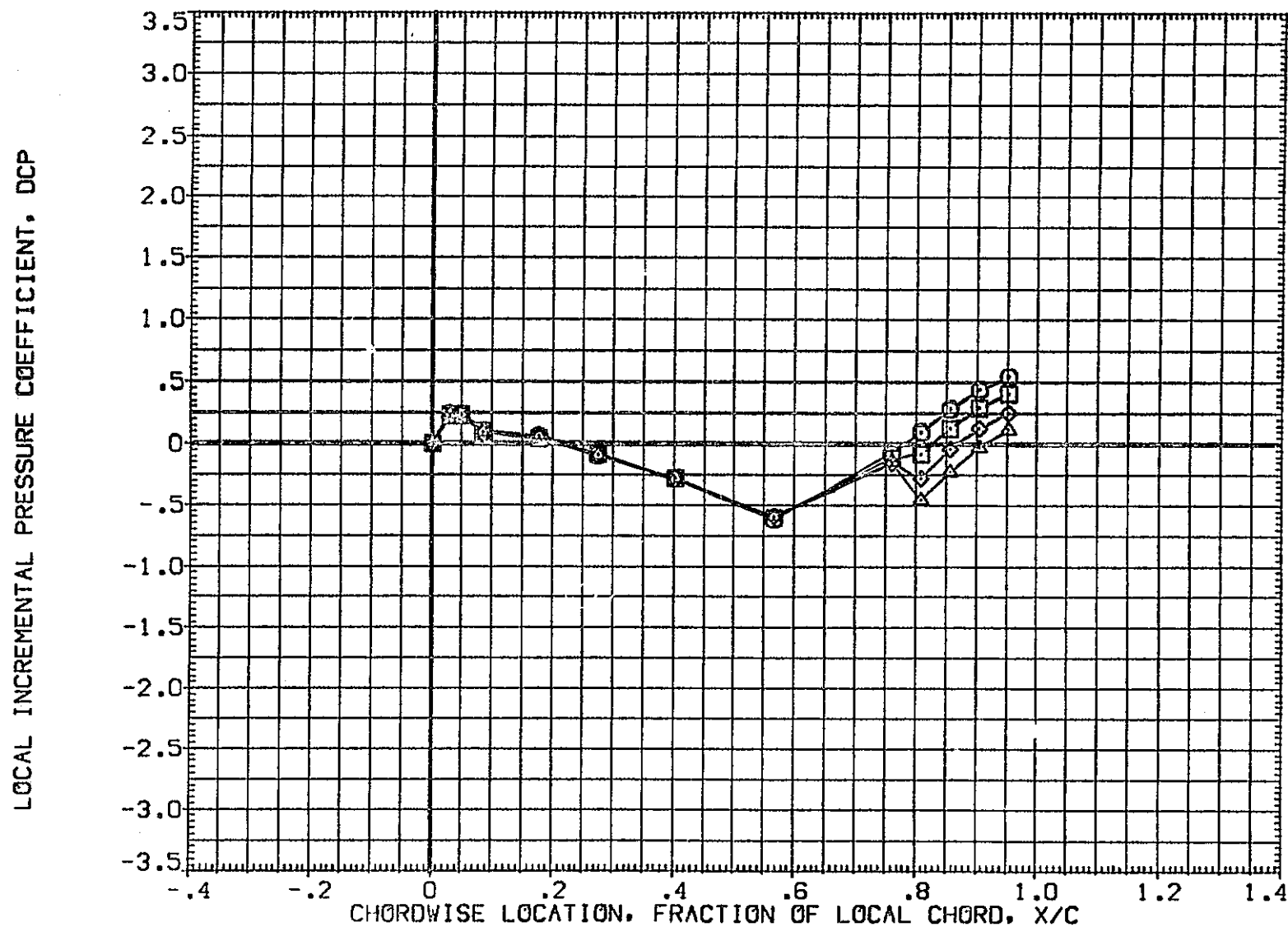


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -2.000 2Y/B = .436 PAGE 617

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044] □	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049] □	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054] ◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059] △	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

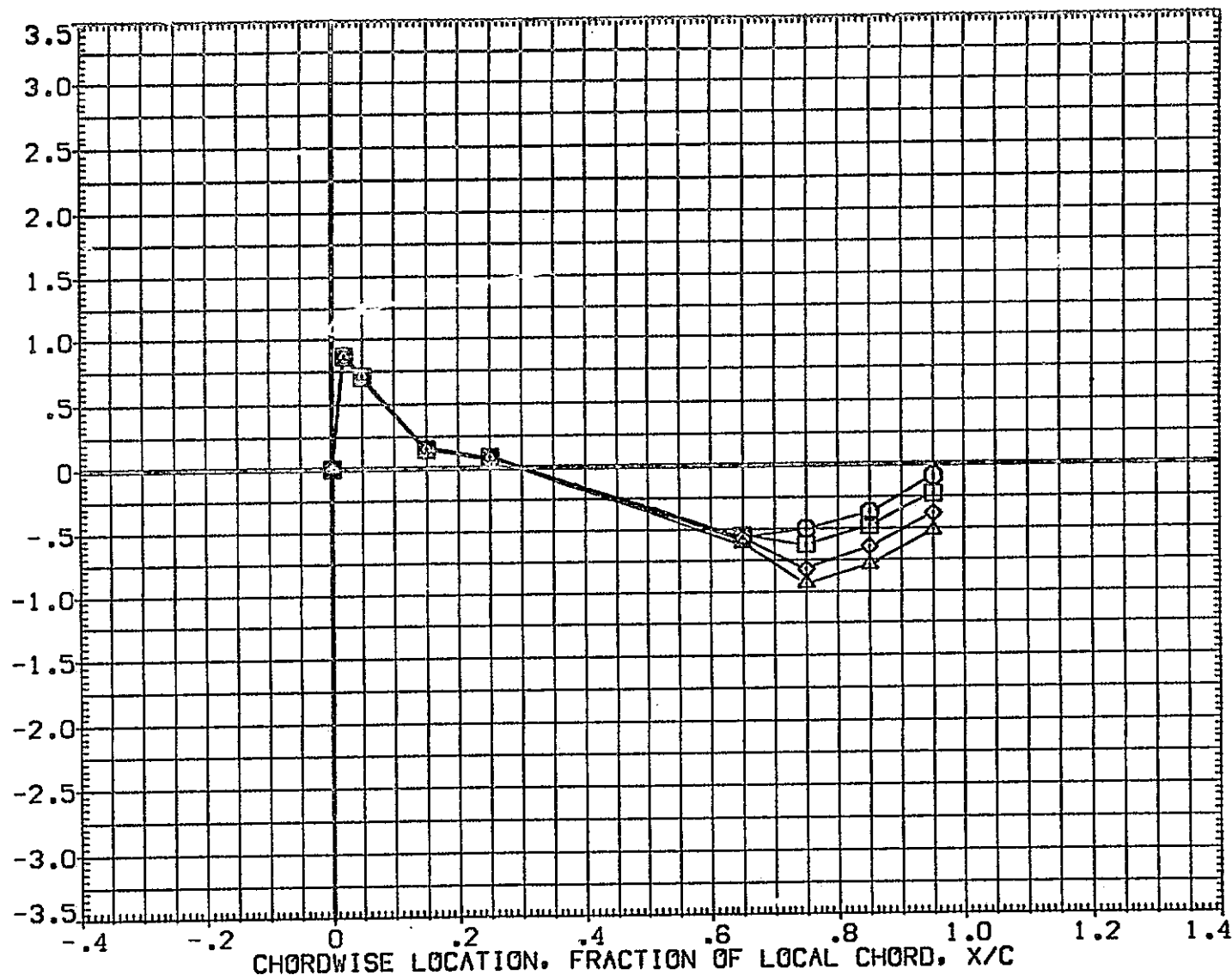


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = -2.000 2Y/B = .771 PAGE 618

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

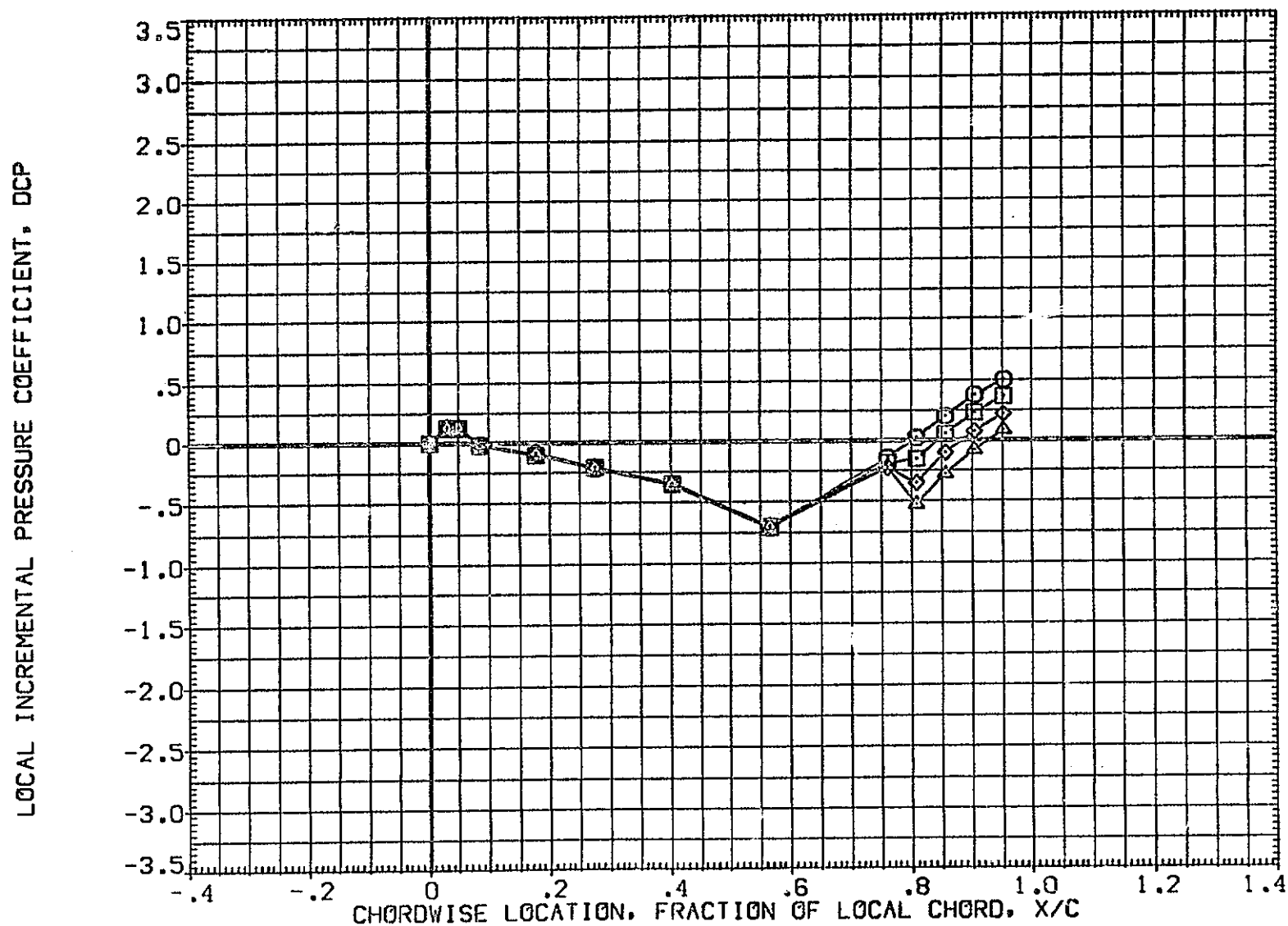


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = .000 2Y/B = .436

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	○	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

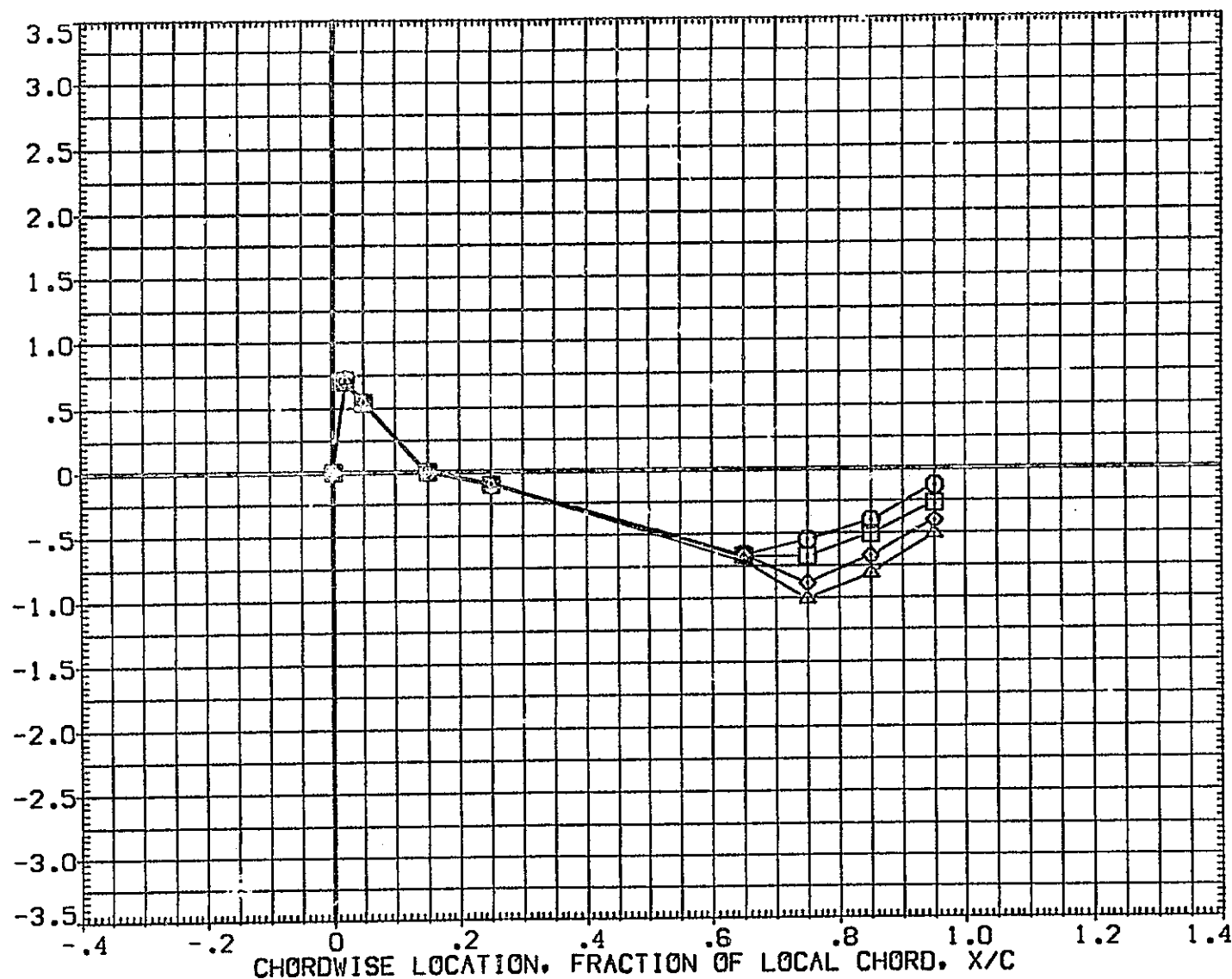


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = .000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

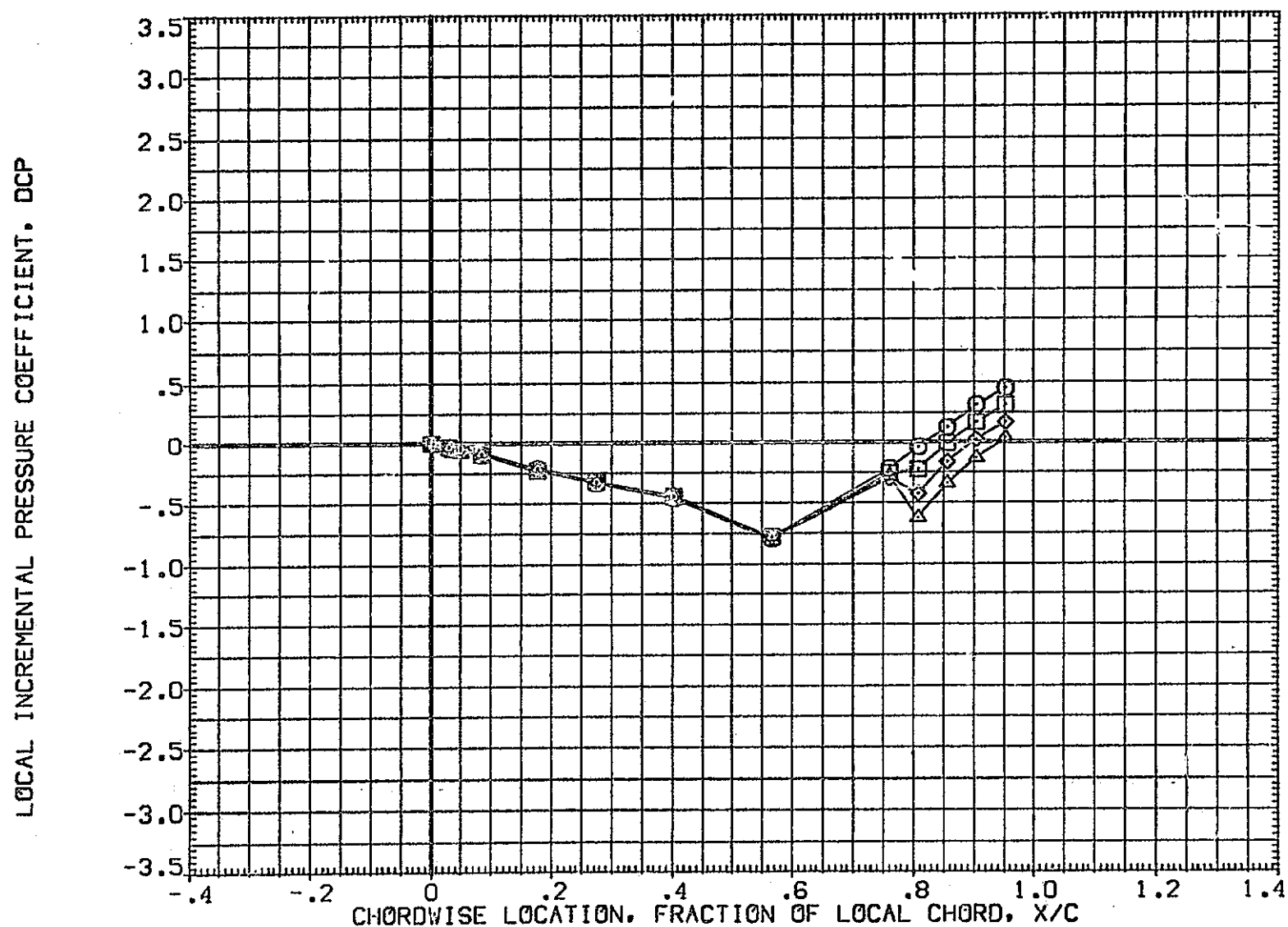


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 2.000 2Y/B = .436 PAGE 621

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	IA70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

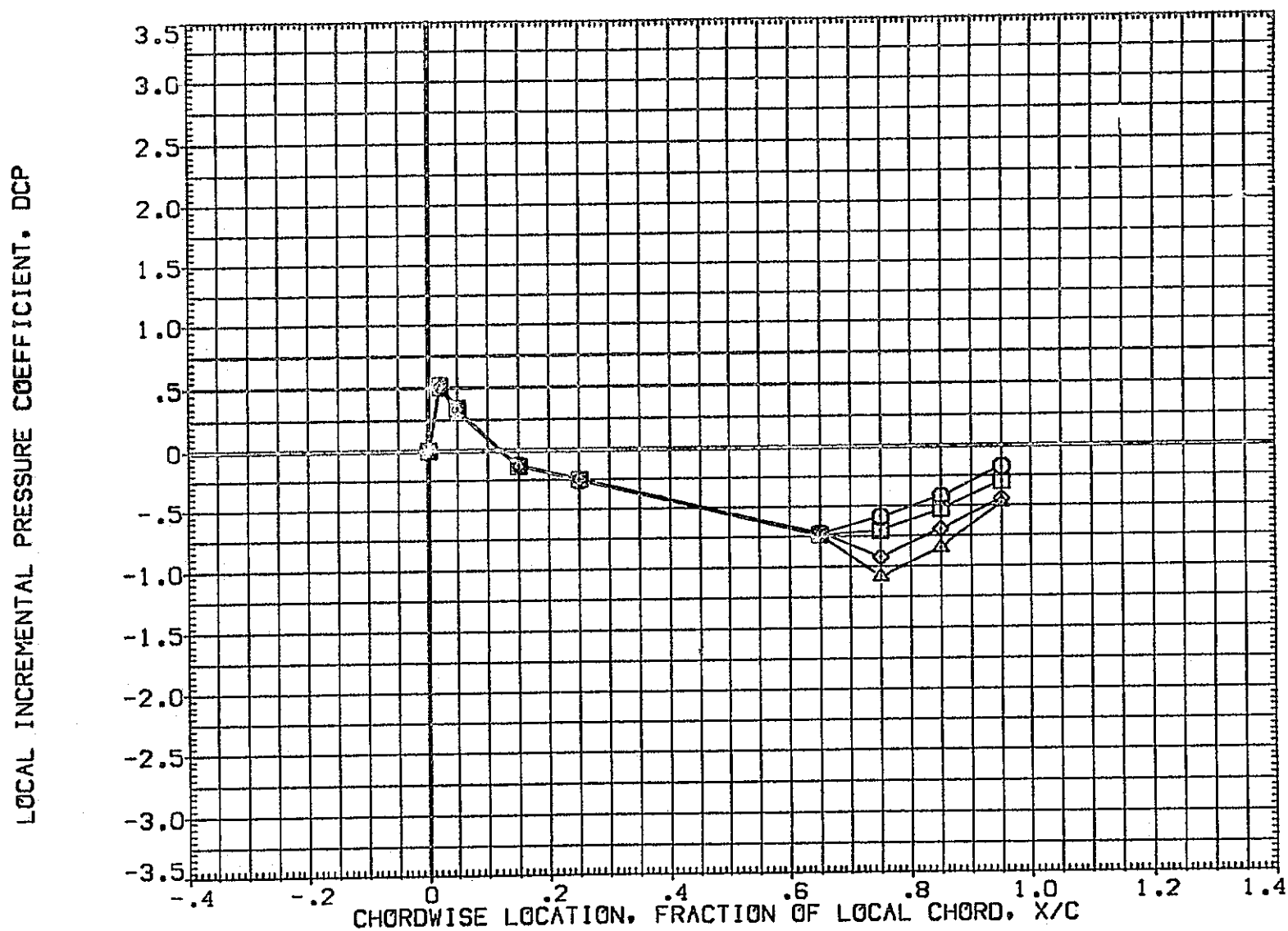


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 2.000 2Y/B = .771

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

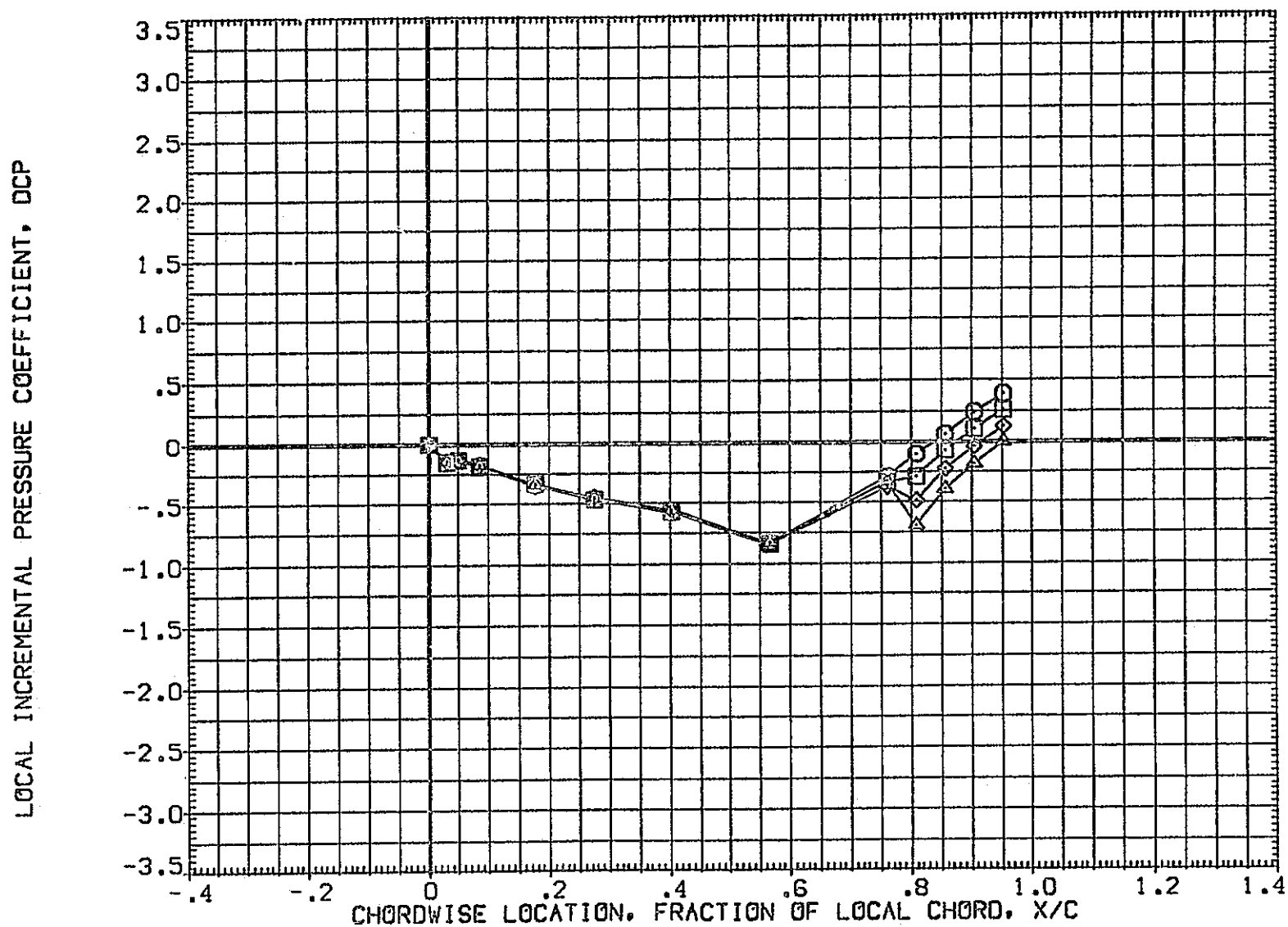


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 4.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7149]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	9.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

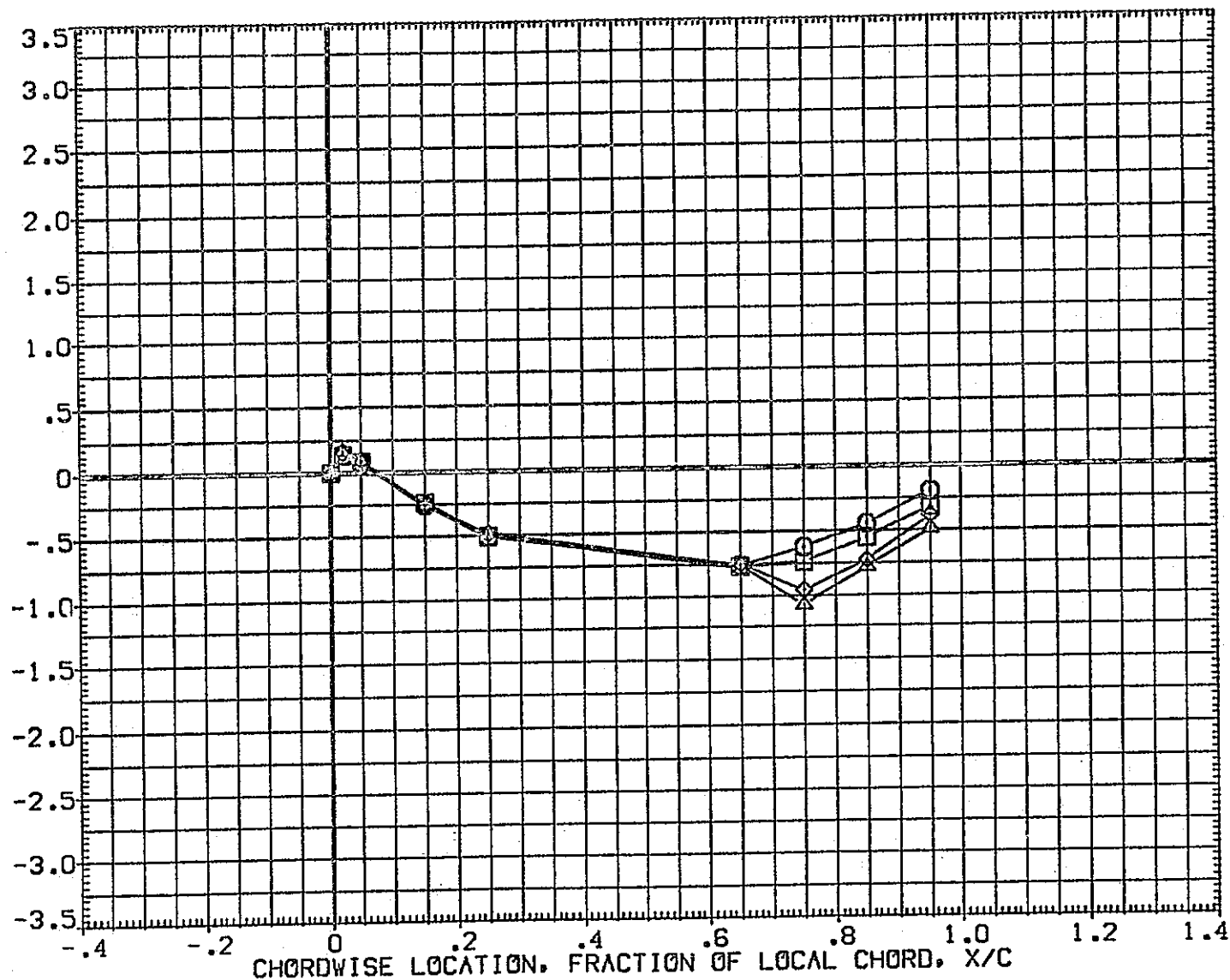


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 4.000 2Y/B = .771

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
[AF7044]	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
[AF7049]	□	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
[AF7054]	◇	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
[AF7059]	△	1A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

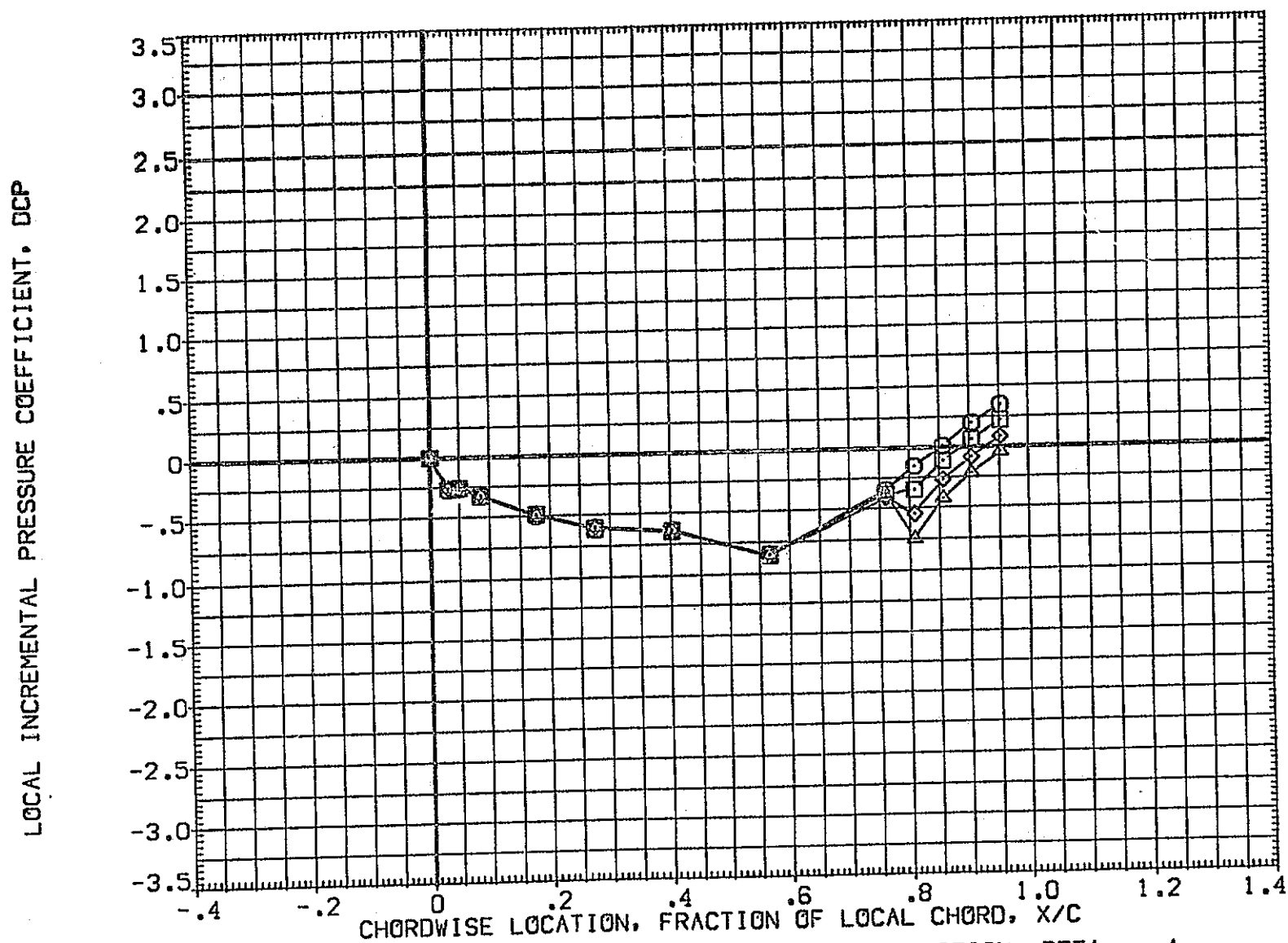


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 6.000 2Y/B = .436

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7055)	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

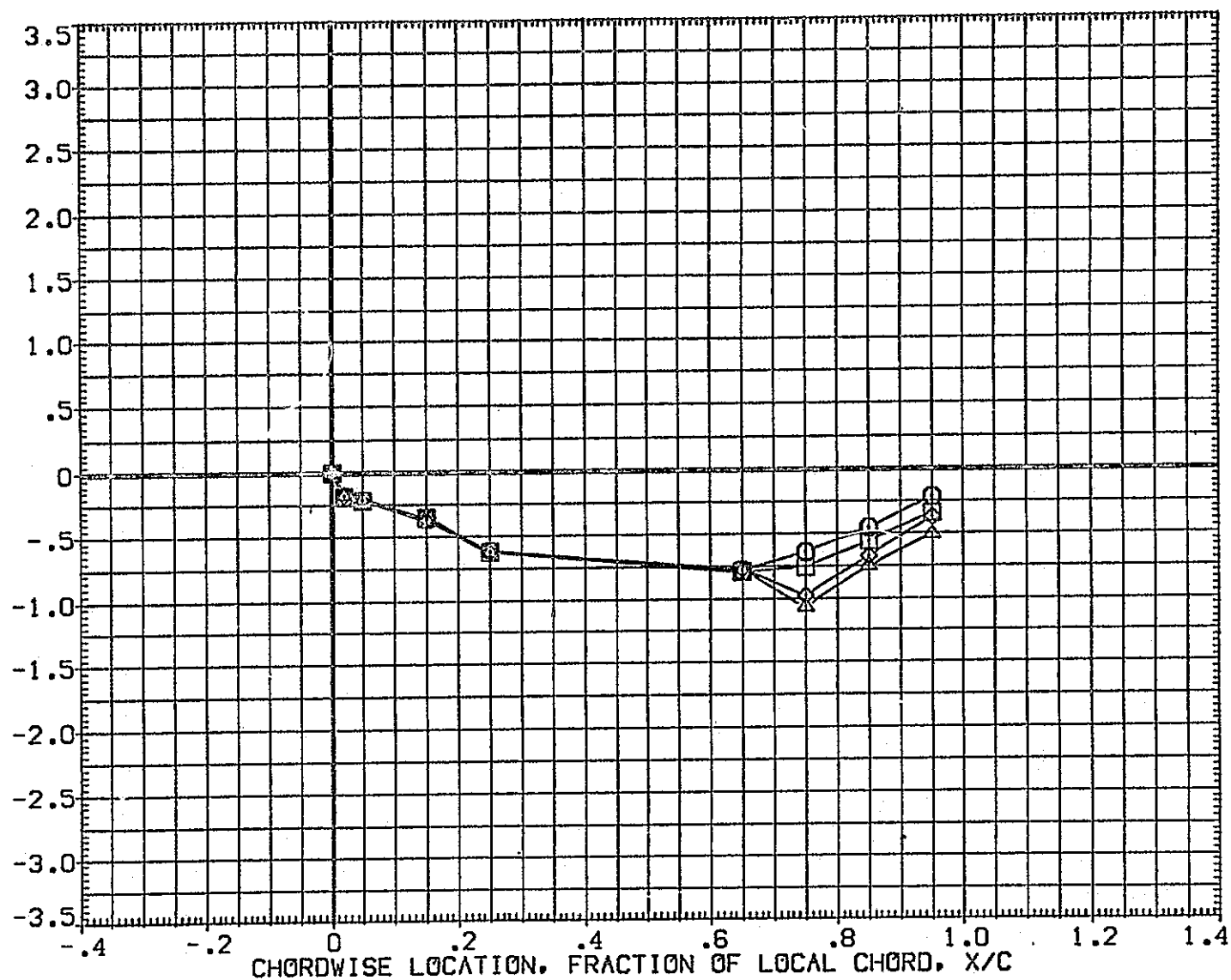


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 6.000 2Y/B = .771

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
{AF7044}	○	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
{AF7049}	□	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
{AF7054}	◇	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
{AF7059}	△	IA70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

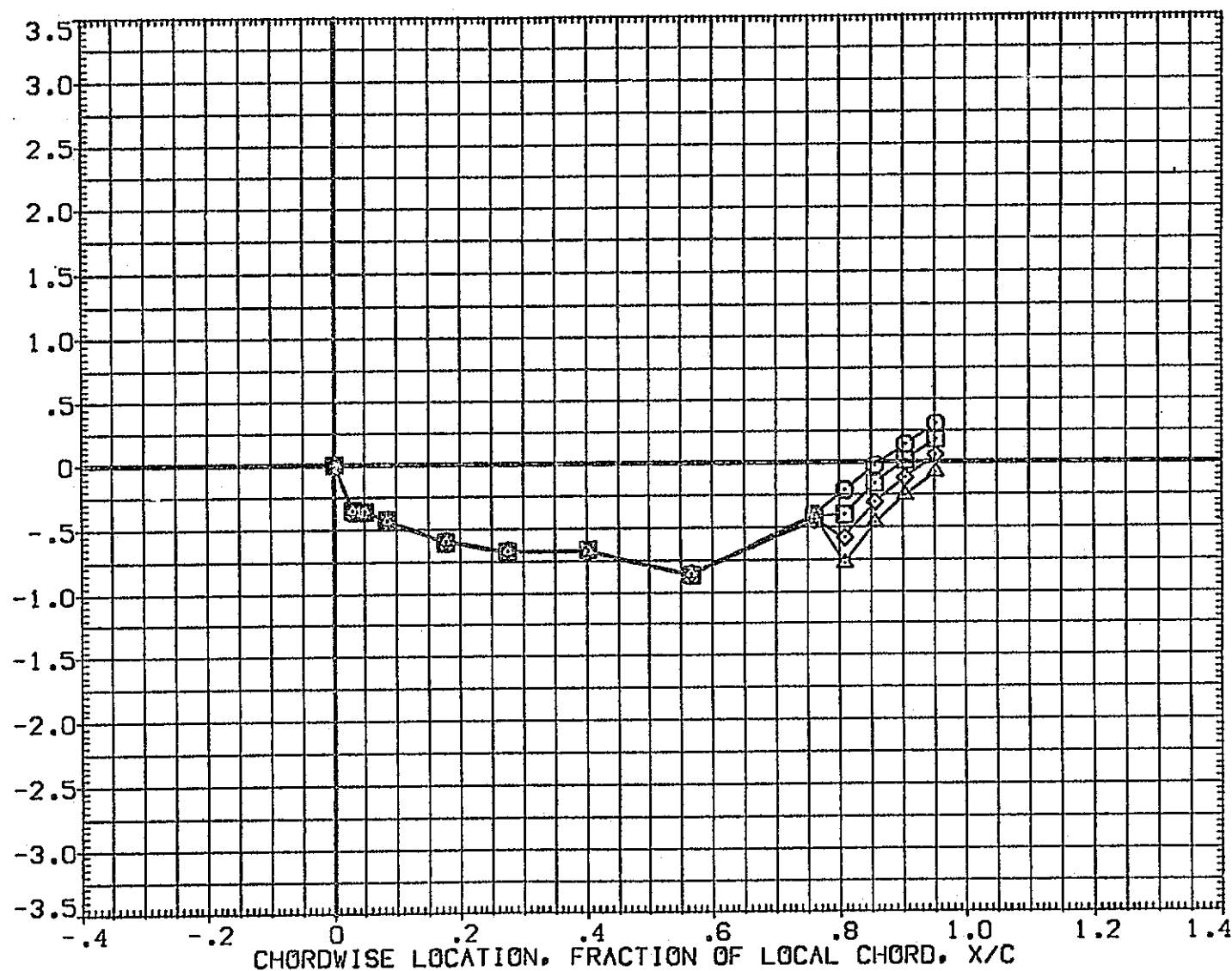


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4

MACH = 1.500 ALPHA = 8.000 2Y/B = .436

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-1	ELV-2	ELV-3	ELV-4
(AF7044)	□ A70 01 T12 S1 P3 P8 WING (UPPER - LOWER)	.000	.000	.000	.000
(AF7049)	□ A70 01 T12 S1 P3 P8 WING (UPPER - LOWER)	4.000	4.000	4.000	4.000
(AF7054)	◇ A70 01 T12 S1 P2 P8 WING (UPPER - LOWER)	8.000	8.000	8.000	8.000
(AF7059)	△ A70 01 T12 S1 P2 P3 WING (UPPER - LOWER)	8.000	12.000	12.000	12.000

LOCAL INCREMENTAL PRESSURE COEFFICIENT, DCP

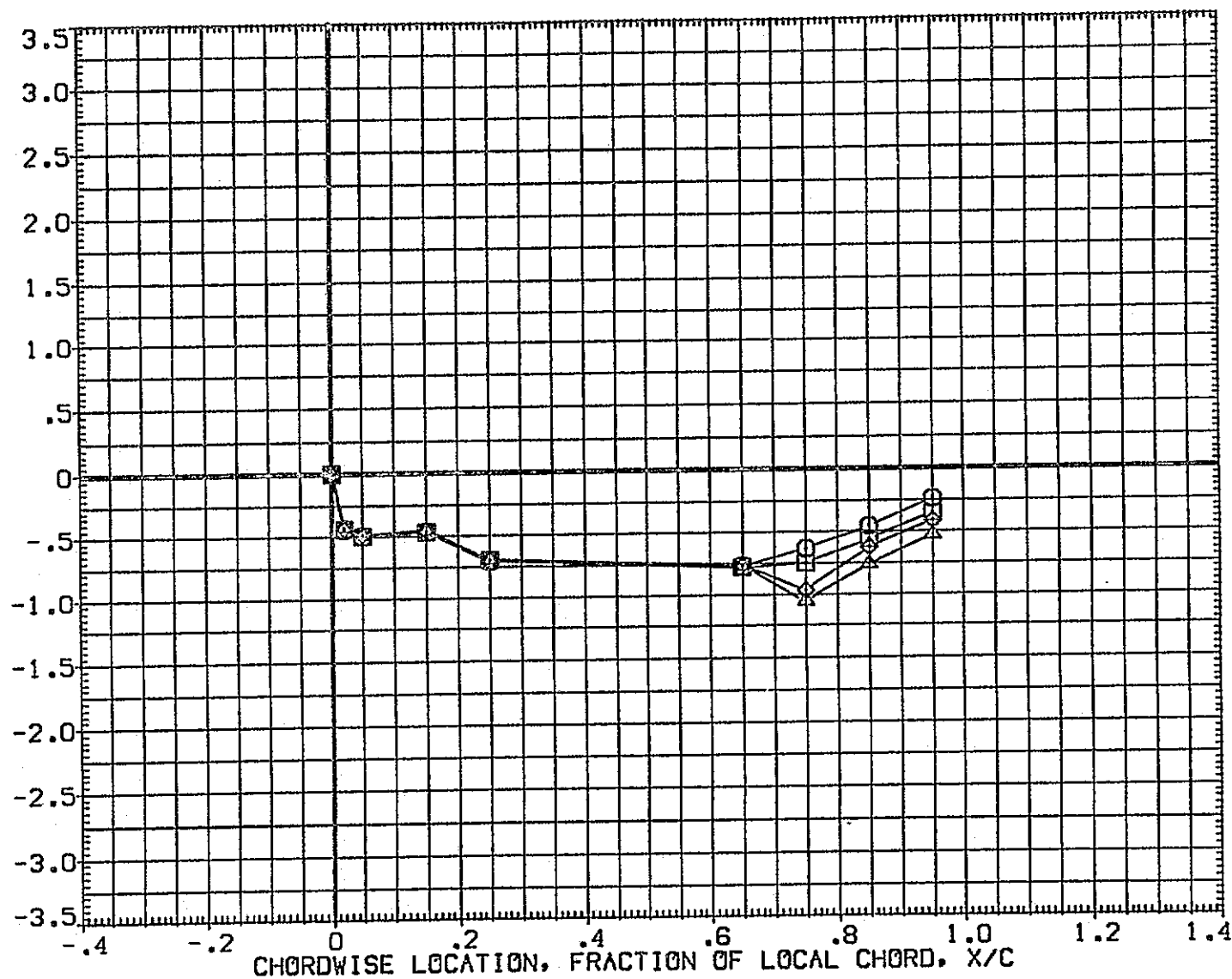


FIG 26 WING PRESSURE DISTRIBUTION DUE TO ELEVON DEFLECTION, BETA = 4
MACH = 1.500 ALPHA = 8.000 2Y/B = .771 PAGE 628

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from
Data Management Services

1A70 01

(ZFT001) (15 AUG 74)

REFERENCE DATA

DREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-R1 = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 15/ 4 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-8.560	.05380	.05390	.13780	-.03940	-.02880	-.02980
.897	-6.460	.04330	.06460	.10790	-.03950	-.02390	-.02390
.897	-4.330	.02940	.05770	.08710	-.03390	-.01730	-.01530
.897	-2.210	.02840	.06260	.09110	-.03350	-.00860	-.00400
.897	-.080	.02410	.06280	.08700	-.03290	-.00060	.00680
.897	2.030	.01950	.06700	.08660	-.03370	.00700	.01490
.897	4.140	.02270	.07480	.09760	-.03430	.01270	.02330
.897	6.250	.01940	.07990	.09940	-.03450	.01800	.03140
.897	8.360	.01190	.08040	.09230	-.03900	.02350	.03920
GRADIENT		-.00105	.00182	.00078	.00014	.00357	.00454

RUN NO. 16/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.209	-8.630	.06160	.13740	.19910	-.02030	-.02950	-.01860
1.209	-6.500	.05190	.11790	.16990	-.02420	-.02230	-.01240
1.209	-4.310	.04130	.10270	.14400	-.02970	-.01340	-.00700
1.209	-2.160	.02360	.08910	.11270	-.03550	-.00460	-.00220
1.209	.010	.01090	.07290	.09390	-.04790	.00340	.00290
1.209	2.180	.00050	.05640	.05690	-.05860	.01090	.00930
1.209	4.350	-.00660	.04470	.03790	-.07910	.01790	.01410
1.209	6.530	-.01700	.02960	.01260	-.08300	.02490	.01990
1.209	8.690	-.02710	.01160	-.01550	-.09040	.03120	.02610
GRADIENT		-.00551	-.00687	-.01237	-.00563	.00361	.00243

DATE 05 NOV 74

TABULATED SOURCE DATA - 1A70

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1A70 Q1T12S1P2P8

(ZF7002) (15 AUG 74)

REFERENCE DATA

BREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-L1 = .000 ELV-R1 = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 19/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.898	-8.610	.04720	.10570	.15300	.03680	-.01780	-.00680
.898	-6.400	.04440	.09820	.14260	.03220	-.01140	-.00030
.898	-4.310	.04320	.09380	.13710	.02860	-.00540	.00530
.898	-2.190	.03790	.08800	.12670	.02980	.00040	.01040
.898	-.040	.03230	.08350	.11590	.03140	.00680	.01590
.898	2.090	.02870	.08490	.11360	.02570	.01300	.02160
.898	4.220	.02570	.08770	.11350	.02650	.01650	.02750
.898	6.360	.02620	.08710	.11330	.02850	.02010	.03190
.898	8.490	.01920	.08340	.10260	.02520	.02240	.03610
GRADIENT		-.00207	-.00075	-.00283	-.00039	.00264	.00261

RUN NO. 18/ 2 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.101	-6.580	.04470	.17250	.21730	.00310	-.01310	.00100
1.101	-4.440	.04660	.15740	.20400	-.00010	-.00590	.00710
1.101	-2.230	.04820	.14880	.19710	.00220	.00180	.01280
1.101	-.050	.03300	.14770	.18080	.00070	.00990	.01700
1.101	2.140	.02100	.14470	.16580	.00080	.01480	.02180
1.101	4.320	.00840	.13410	.14250	-.00040	.01990	.02520
1.101	6.510	-.00250	.11910	.11650	-.00540	.02490	.02800
1.101	8.690	-.01180	.10170	.08980	-.00930	.02910	.02990
GRADIENT		-.00473	-.00232	-.00705	-.00009	.00295	.00207

RUN NO. 17/ 2 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.201	-8.740	.04520	.18010	.22540	-.00140	-.01920	-.00220
1.201	-6.570	.04180	.16660	.20840	-.00560	-.01170	.00170
1.201	-4.370	.03460	.15370	.18830	-.00660	-.00400	.00480
1.201	-2.170	.02360	.14260	.16630	-.00370	.00340	.00850
1.201	.040	.01150	.13600	.14750	-.00500	.01000	.01290
1.201	2.230	.00160	.13240	.13400	-.00500	.01570	.01760
1.201	4.440	-.00660	.12590	.11930	-.00600	.02090	.02250
1.201	6.620	-.01520	.11510	.09990	-.01000	.02550	.02610
1.201	8.820	-.02270	.10120	.07840	-.01370	.02940	.02910
GRADIENT		-.00474	-.00299	-.00773	-.00000	.00282	.00202

1A7D Q1T12S1P2P8

(ZF7002) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 56/ 3 RN/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-6.580	.00700	.14060	.14770	-.02490	-.00880	-.00310
1.504	-4.380	-.00340	.12450	.12100	-.02610	-.00270	-.00100
1.504	-2.160	-.01410	.11020	.09610	-.02440	.00350	.00200
1.504	.090	-.02020	.09490	.07470	-.02350	.00990	.00600
1.504	2.290	-.02430	.08010	.05580	-.02420	.01540	.01010
1.504	4.520	-.02690	.06650	.03960	-.01910	.02040	.01450
1.504	6.740	-.03140	.05200	.02050	-.01970	.02450	.01860
1.504	8.960	-.03550	.04320	.00770	-.03770	.02760	.02130
	GRADIENT	-.00257	-.00657	-.00913	.00064	.00261	.00176

1A7D Q1T12S1P2P8

(ZF7003) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 20/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-8.530	.04050	.07450	.11510	.03180	-.01540	-.00850
.897	-6.360	.03770	.06760	.10550	.02700	-.00900	-.00220
.897	-4.230	.03580	.06100	.09600	.02140	-.00270	.00320
.897	-2.070	.02660	.05200	.08070	.02230	.00320	.00780
.897	.050	.02550	.04670	.07230	.02400	.00940	.01350
.897	2.210	.02500	.05060	.07570	.01930	.01490	.01950
.897	4.320	.02330	.05800	.08140	.02040	.01790	.02620
.897	6.470	.02050	.05870	.07920	.02230	.02140	.03090
.897	8.610	.01160	.03830	.06990	.01730	.02380	.03480
	GRADIENT	-.00126	-.00035	-.00160	-.00023	.00247	.00270

1A70 G1T12S1P2F5

(ZF7003) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 SFLAP = .000

RUN NO. 21/ 3 RN/L = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.050	-8.820	.04430	.12450	.16880	.01020	-.01860	-.00680
1.090	-8.580	.04130	.11440	.15570	.00600	-.01180	-.00130
1.090	-4.390	.04320	.10250	.14560	.00240	-.00460	.00500
1.090	-2.210	.04450	.09350	.14000	.00170	.00300	.01060
1.090	-.010	.02940	.09700	.12640	-.00040	.01010	.01520
1.090	2.190	.01720	.09440	.11170	-.00170	.01600	.01960
1.090	4.380	.00530	.08790	.09320	-.00440	.02120	.02340
1.090	6.560	-.00480	.07660	.07170	-.00870	.02610	.02630
1.090	8.720	-.01450	.06290	.04840	-.01250	.03030	.02820
GRADIENT		-.00470	-.00138	-.00609	-.00077	.00294	.00209

RUN NO. 22/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.201	-8.800	.04210	.12310	.16520	-.00040	-.01840	-.00480
1.201	-6.560	.03870	.11300	.15170	-.00230	-.01090	-.00080
1.201	-4.370	.03160	.10290	.13460	-.00200	-.00310	.00290
1.201	-2.170	.02120	.09400	.11530	-.00300	.00430	.00680
1.201	.040	.00920	.08790	.09710	-.00500	.01100	.01080
1.201	2.250	-.00020	.08490	.08460	-.00680	.01670	.01590
1.201	4.450	-.00790	.08010	.07220	-.00880	.02190	.02090
1.201	6.640	-.01670	.07010	.05330	-.01300	.02660	.02450
1.201	8.820	-.02400	.05680	.03270	-.01660	.03030	.02750
GRADIENT		-.00455	-.00248	-.00705	-.00079	.00283	.00204

RUN NO. 59/ 2 RN/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.850	.02120	.11020	.13140	-.02410	-.01290	-.00660
1.504	-6.620	.00560	.10030	.10600	-.02570	-.00830	-.00470
1.504	-4.420	-.00510	.08530	.08020	-.02560	-.00220	-.00280
1.504	-2.160	-.01600	.07210	.05600	-.01980	.00430	.00060
1.504	.040	-.02220	.05860	.03640	-.01940	.01050	.00450
1.504	2.270	-.02630	.04340	.01910	-.02190	.01610	.00970
1.504	4.480	-.02910	.03280	.00360	-.01650	.02120	.01350
1.504	6.730	-.03350	.01980	-.01360	-.02000	.02520	.01740
1.504	8.920	-.03720	.01330	-.02380	-.03710	.02830	.02030
GRADIENT		-.00262	-.00592	-.00855	.00073	.00264	.00183

1A70 Q1T12S1P2PB

(ZF7004) (15 AUG 74)

REFERENCE DATA

GREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 0.000 ELV-RI = 8.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 25/ 2 RN/L = 6.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-0.560	.02980	.02720	.05710	.02000	-.01210	-.01240
.897	-6.370	.02710	.02610	.03330	.01650	-.00660	-.00640
.897	-4.210	.02620	.02590	.05220	.01300	-.00010	.00000
.897	-2.120	.02070	.02410	.04490	.01500	.00310	.00500
.897	.010	.02060	.02690	.04760	.01750	.01050	.01160
.897	2.140	.02150	.03280	.05440	.01450	.01590	.01800
.897	4.280	.02510	.03730	.06240	.01500	.01960	.02420
.897	6.430	.01670	.03470	.05150	.01590	.02310	.02920
.897	8.560	.00520	.03110	.03640	.00920	.02620	.03230
GRADIENT		-.00006	.00149	.00141	.00015	.00236	.00289

RUN NO. 24/ 2 RN/L = 6.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.090	-8.840	.04060	.05790	.09860	.01000	-.01740	-.01020
1.090	-6.620	.03770	.05050	.08630	.00350	-.01070	-.00460
1.090	-4.430	.03970	.04260	.08230	-.00120	-.00350	.00160
1.090	-2.240	.04260	.03850	.08120	-.00390	.00410	.00780
1.090	-.060	.02710	.03980	.06700	-.00610	.01110	.01190
1.090	2.120	.01510	.03910	.05420	-.00740	.01710	.01700
1.090	4.330	.00320	.03420	.03740	-.00990	.02240	.02090
1.090	6.550	-.00670	.02540	.01860	-.01440	.02730	.02370
1.090	8.680	-.01670	.01400	-.00260	-.01760	.03160	.02590
GRADIENT		-.00459	-.00074	-.00534	-.00096	.00296	.00218

RUN NO. 23/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.200	-6.720	.03060	.06080	.09960	.00190	-.01690	-.00760
1.200	-6.440	.03550	.05390	.08940	-.00090	-.00920	-.00290
1.200	-4.270	.02840	.04610	.07460	-.00430	-.00150	.00060
1.200	-2.090	.01840	.03910	.05750	-.00750	.00570	.00430
1.200	.130	.00690	.03470	.04170	-.00980	.01240	.00990
1.200	2.330	-.00090	.03250	.03150	-.01230	.01810	.01350
1.200	4.520	-.00970	.02790	.01820	-.01340	.02320	.01840
1.200	6.730	-.01880	.01910	.00030	-.01840	.02900	.02220
1.200	8.960	-.02640	.00820	-.01820	-.02140	.03180	.02330
GRADIENT		-.00434	-.00195	-.00631	-.00105	.00281	.00204

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TABULATED SOURCE DATA - 1A70

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1A70 Q1T12S1P2P8

(ZF7004) (15 AUG 74)

REFERENCE DATA

GREF = 8890,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,8000 IN. YMRP = .0000 IN. YT
 BREF = 938,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 60/ 2 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.810	.01880	.06160	.08050	-.02550	-.01190	-.00880
1.504	-6.560	.00320	.05260	.05500	-.02300	-.00720	-.00680
1.504	-4.340	-.00730	.03880	.03150	-.02250	-.00130	-.00300
1.504	-2.130	-.01770	.02680	.00910	-.02330	.00520	-.00150
1.504	.110	-.02440	.01370	-.01060	-.02330	.01140	.00250
1.504	2.330	-.02850	.00200	-.02640	-.02860	.01690	.00670
1.504	4.530	-.03160	-.00780	-.03940	-.02560	.02190	.01140
1.504	6.790	-.03620	-.01900	-.05530	-.02690	.02590	.01540
1.504	9.000	-.03980	-.02470	-.08460	-.04160	.02890	.01930
	GRADIENT	-.00287	-.00531	-.00797	-.00052	.00261	.00184

1A70 Q1T12S1P2P8

(ZF7005) (15 AUG 74)

REFERENCE DATA

SREF = 2690,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,8000 IN. YMRP = .0000 IN. YT
 BREF = 938,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 26/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-8.260	.02670	.00910	.03360	.01760	-.01060	-.01310
.897	-6.090	.02590	.01120	.03710	.01350	-.00460	-.00670
.897	-3.930	.02520	.01030	.03560	.01210	.00090	-.00090
.897	-1.820	.02070	.00830	.02920	.01360	.00630	.00500
.897	.300	.02060	.00800	.02860	.01500	.01200	.01130
.897	2.450	.02340	.00370	.02710	.00850	.01720	.01760
.897	4.590	.02190	.01040	.03240	.01060	.02120	.02340
.897	6.740	.00960	.00660	.01630	.01140	.02550	.02750
.897	8.850	-.00130	.00100	-.00030	.00530	.02850	.03050
	GRADIENT	-.00018	-.00021	-.00040	-.00038	.00241	.00287

DATE 03 NOV 74

TABULATED SOURCE DATA - 1A70

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1A70 0112S1P2P0

(ZF7003) (13 AUG 74)

REFERENCE DATA

BREF = 2690,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 27/ 2 RN/L = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.092	-8.570	.03720	-.00150	.03570	.00520	-.01590	-.01310
1.092	-6.410	.03540	-.00530	.03000	-.00080	-.00930	-.00800
1.092	-4.240	.03820	-.00990	.02930	-.00560	-.00230	-.00070
1.092	-2.060	.03920	-.01310	.02600	-.00790	.00500	.00460
1.092	.140	.02410	-.01100	.01370	-.00970	.01200	.00900
1.092	2.310	.01230	-.01080	.00120	-.01160	.01760	.01330
1.092	4.510	.00080	-.01700	-.01620	-.01390	.02260	.01670
1.092	6.680	-.00930	-.02620	-.03570	-.01830	.02770	.02000
1.092	8.870	-.01960	-.03980	-.05950	-.02070	.03200	.02210
	GRADIENT	-.00465	-.00054	-.00319	-.00093	.00285	.00199

RUN NO. 28/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.199	-8.780	.03620	.00600	.04220	-.00030	-.01570	-.00970
1.199	-6.610	.03320	.00160	.03480	-.00370	-.00940	-.00550
1.199	-4.400	.02850	-.00350	.02290	-.00760	-.00060	-.00150
1.199	-2.200	.01660	-.00830	.00830	-.01070	.00670	.00220
1.199	.010	.00580	-.01220	-.00630	-.01390	.01340	.00640
1.199	2.210	-.00210	-.01420	-.01630	-.01520	.01910	.01120
1.199	4.420	-.01190	-.01890	-.03090	-.01700	.02430	.01620
1.199	6.620	-.02110	-.02700	-.04810	-.02160	.02890	.01990
1.199	8.810	-.02840	-.03750	-.06590	-.02530	.03270	.02300
	GRADIENT	-.00433	-.00166	-.00600	-.00106	.00282	.00201

RUN NO. 61/ 2 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.870	.01720	.01570	.03300	-.01930	-.01100	-.01030
1.504	-6.560	.00220	.00820	.01040	-.02160	-.00620	-.00830
1.504	-4.410	-.00800	-.00360	-.01160	-.02200	-.00060	-.00630
1.504	-2.170	-.01890	-.01570	-.03460	-.02420	.00390	-.00290
1.504	.030	-.02560	-.02840	-.03410	-.02530	.01210	.00100
1.504	2.280	-.03020	-.04000	-.07020	-.02990	.01790	.00540
1.504	4.500	-.03330	-.04950	-.08290	-.02790	.02270	.01000
1.504	6.710	-.03780	-.05760	-.09340	-.03250	.02680	.01420
1.504	8.930	-.04190	-.06500	-.10690	-.03840	.02970	.01740
	GRADIENT	-.00278	-.00521	-.00800	-.00079	.00263	.00184

1A70 0171251P2PS

(ZF7006) (15 AUG 74)

REFERENCE DATA

BREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 31/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-8.370	.00370	.00130	.00700	.01710	-.00950	-.01470
.897	-6.180	.00920	.00680	.01610	.01260	-.00400	-.00850
.897	-4.040	.01430	.00570	.02000	.01220	.00170	-.00170
.897	-1.910	.01550	.00370	.01930	.01360	.00690	.00400
.897	.220	.01640	.00170	.01810	.01620	.01220	.01060
.897	2.370	.01070	-.00130	.00940	.01040	.01730	.01700
.897	4.510	-.00060	-.00020	-.00090	.01020	.02220	.02230
.897	6.640	-.01080	-.00350	-.01440	.00990	.02650	.02630
.897	8.800	-.02180	-.01120	-.03300	.00450	.03040	.02960
	GRADIENT	-.00162	-.00079	-.00242	-.00035	.00240	.00285

RUN NO. 30/ 2 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.091	-8.640	.00860	-.00400	.00450	.00470	-.01410	-.01320
1.091	-6.420	.00730	-.00950	-.00210	-.00150	-.00770	-.00760
1.091	-4.230	.00930	-.01450	-.00510	-.00630	-.00040	-.00060
1.091	-2.060	.01210	-.01800	-.00590	-.00840	.00710	.00490
1.091	.130	.00000	-.01540	-.01530	-.01090	.01410	.00950
1.091	2.310	-.00710	-.01500	-.02290	-.01190	.01990	.01410
1.091	4.500	-.01620	-.02080	-.03700	-.01500	.02500	.01800
1.091	6.690	-.02580	-.03000	-.05590	-.01870	.02970	.02080
1.091	8.900	-.03340	-.04290	-.07630	-.02170	.03390	.02300
	GRADIENT	-.00322	-.00048	-.00370	-.00096	.00291	.00214

RUN NO. 29/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.202	-8.590	.00920	.00270	.01200	-.00030	-.01420	-.01070
1.202	-6.340	.00720	-.00120	.00600	-.00490	-.00670	-.00610
1.202	-4.140	.00200	-.00730	-.00530	-.00840	.00090	-.00240
1.202	-1.940	-.00340	-.01240	-.01580	-.01150	.00820	.00160
1.202	.250	-.01260	-.01630	-.02900	-.01370	.01470	.00610
1.202	2.440	-.02010	-.01840	-.03960	-.01550	.02030	.01090
1.202	4.640	-.02740	-.02230	-.05000	-.01780	.02540	.01570
1.202	6.830	-.03450	-.03100	-.06560	-.02290	.03000	.01950
1.202	9.030	-.04060	-.04210	-.08270	-.02540	.03370	.02270
	GRADIENT	-.00344	-.00166	-.00511	-.00104	.00278	.00207

DATE 04 NOV 74

TABULATED SOURCE DATA - 1A70

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1A70 Q1T12S1P2P8

(ZF7006) (15 AUG 74)

REFERENCE DATA

BREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 62/ 2 RN/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.770	.00190	.01520	.01720	-.02070	-.01020	-.01120
1.504	-6.510	-.00970	.00790	-.00180	-.02180	-.00550	-.00910
1.504	-4.220	-.02120	-.00440	-.02560	-.02260	.00060	-.00680
1.504	-2.060	-.03180	-.01590	-.04780	-.02430	.00690	-.00390
1.504	.180	-.03770	-.02870	-.06640	-.02620	.01320	.00060
1.504	2.390	-.04140	-.04100	-.08240	-.02830	.01870	.00480
1.504	4.610	-.04390	-.04960	-.09350	-.02870	.02360	.00950
1.504	6.840	-.04780	-.05900	-.10690	-.03150	.02760	.01390
1.504	9.050	-.05100	-.06550	-.11660	-.03870	.03050	.01700
	GRADIENT	-.00248	-.00522	-.00770	-.00073	.00262	.00187

1A70 Q1T12S1P2P8

(XF7007) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 0/ 0 RN/L = 6.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.849	-8.380	.01340	.02740	.04080	.01580	-.01070	-.01360
.849	-6.230	.01110	.02710	.03820	.01210	-.00540	-.00750
.849	-4.070	.01120	.02750	.03680	.00920	.00000	-.00030
.849	-1.960	.01260	.02910	.04170	.01060	.00490	.00820
.849	.180	.01280	.03030	.04320	.01260	.01000	.01290
.849	2.290	.00780	.03290	.04080	.01030	.01580	.01940
.849	4.420	.00320	.03230	.03550	.00930	.02120	.02500
.849	6.550	-.00320	.02950	.02830	.00820	.02450	.02980
.849	8.680	-.01100	.02440	.01340	.00750	.02770	.03360
	GRADIENT	-.00099	.00063	-.00036	-.00080	.00250	.00301

1A70 0112S1P2P8

(XF7007) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 GREF = 938.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-L1 = 8.000 ELV-R1 = 8.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 0/ 0 RVL = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHEI	CHBF	CBW	CTW
1.091	-8.730	.01120	.05540	.06670	.00930	-.01370	-.01110
1.091	-6.510	.00990	.04820	.05920	.00330	-.00690	-.00540
1.091	-4.310	.01170	.04060	.05230	-.00130	-.00180	.00100
1.091	-2.110	.01470	.03510	.04990	-.00380	.00590	.00680
1.091	.070	.00270	.03710	.03990	-.00600	.01290	.01160
1.091	2.260	-.00470	.03620	.03140	-.00810	.01870	.01600
1.091	4.440	-.01400	.03130	.01720	-.01110	.02370	.02000
1.091	6.650	-.02330	.02300	-.00040	-.01550	.02850	.02290
1.091	8.830	-.02930	.01180	-.01750	-.01890	.03260	.02510
	GRADIENT	-.00324	-.00080	-.00405	-.00107	.00292	.00216

RUN NO. 0/ 0 RVL = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHEI	CHBF	CBW	CTW
1.211	-8.690	.01210	.05880	.07100	.00210	-.01570	-.00860
1.211	-6.440	.00930	.05180	.06120	-.00120	-.00810	-.00410
1.211	-4.190	.00430	.04390	.04820	-.00490	-.00030	-.00030
1.211	-2.030	-.00140	.03770	.03630	-.00730	.00690	.00330
1.211	.180	-.00950	.03320	.02360	-.01010	.01340	.00790
1.211	2.390	-.01060	.03110	.01440	-.01210	.01890	.01270
1.211	4.590	-.02380	.02630	.00230	-.01390	.02410	.01770
1.211	6.780	-.03120	.01730	-.01370	-.01940	.02860	.02130
1.211	9.000	-.03810	.00640	-.03170	-.02220	.03230	.02440
	GRADIENT	-.00325	-.00190	-.00515	-.00104	.00277	.00200

RUN NO. 0/ 0 RVL = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHEI	CHBF	CBW	CTW
1.504	-8.770	.00340	.06160	.06500	-.02620	-.01120	-.00940
1.504	-6.550	-.00820	.05370	.04530	-.02560	-.00630	-.00720
1.504	-4.330	-.01960	.04000	.02040	-.02490	-.00030	-.00320
1.504	-2.120	-.03020	.02800	-.00210	-.02400	.00610	-.00160
1.504	.060	-.03500	.01330	-.02050	-.02470	.01220	.00240
1.504	2.320	-.03960	.00260	-.03690	-.02920	.01770	.00620
1.504	4.620	-.04210	-.00810	-.03020	-.02460	.02280	.01120
1.504	6.840	-.04570	-.01760	-.06330	-.03080	.02080	.01320
1.504	9.070	-.04890	-.02460	-.07360	-.04340	.02980	.01840
	GRADIENT	-.00243	-.00544	-.00787	-.00022	.00260	.00162

1A70 01T12S1P2P8

(ZF7008) (15 AUG 74)

REFERENCE DATA

SREF = 2890,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,8000 IN. YMRP = .0000 IN. YT
 BREF = 936,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 35/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.896	-8.420	.01010	.01430	.02450	.02040	-.01020	-.01320
.896	-6.270	.01190	.01680	.02870	.01830	-.00470	-.00730
.896	-4.120	.01460	.01930	.03390	.01210	.00100	-.00140
.896	-1.980	.01480	.02130	.03620	.01530	.00640	.00450
.896	.140	.01590	.02270	.03870	.01770	.01150	.01110
.896	2.290	.01560	.02750	.04320	.01420	.01650	.01910
.896	4.420	.00600	.02950	.03560	.01600	.02060	.02410
.896	6.590	-.00300	.02980	.02680	.01500	.02450	.02840
.896	8.720	-.01150	.02310	.01150	.01160	.02760	.03170
GRADIENT		-.00077	.00125	.00049	.00031	.00233	.00303

1A70 01T12S1P2P8

(ZF7009) (15 AUG 74)

REFERENCE DATA

SREF = 2690,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,8000 IN. YMRP = .0000 IN. YT
 BREF = 936,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 36/ 2 RN/L = 6.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-8.430	.01950	.05810	.07770	.02650	-.01220	-.01060
.897	-6.310	.01890	.05320	.07210	.02270	-.00670	-.00440
.897	-4.250	.01870	.04710	.06580	.02060	-.00060	.00070
.897	-2.060	.01640	.04110	.05760	.02160	.00310	.00590
.897	.020	.01740	.03820	.05570	.02250	.01060	.01210
.897	2.140	.01850	.04210	.06060	.02200	.01550	.01880
.897	4.290	.01250	.04780	.06840	.02120	.01880	.02340
.897	6.440	.00380	.05170	.05560	.02240	.02270	.03050
.897	8.580	-.00360	.05250	.04880	.01570	.02600	.03450
GRADIENT		-.00049	.00011	-.00037	.00008	.00231	.00293

1A70 Q1T1231P2P8

(ZF7009) (13 AUG 74)

REFERENCE DATA

ZREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 37/ 2 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.092	-8.740	.01380	.12110	.13500	.00980	-.01730	-.00870
1.092	-6.590	.01250	.10960	.12220	.00490	-.01050	-.00300
1.092	-4.360	.01370	.09770	.11140	.00210	-.00310	.00330
1.092	-2.200	.01660	.08980	.10640	.00100	.00450	.00890
1.092	.050	.00420	.09090	.09510	-.00090	.01170	.01360
1.092	2.230	-.00310	.08020	.08500	-.00260	.01760	.01040
1.092	4.430	-.01210	.08350	.07140	-.00340	.02260	.02220
1.092	6.610	-.02120	.07270	.05150	-.00980	.02740	.02520
1.092	8.820	-.02690	.06090	.03400	-.01400	.03160	.02740
GRADIENT		-.00324	-.00136	-.00461	-.00085	.00293	.00213

RUN NO. 38/ 2 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.201	-8.710	.01490	.11950	.13440	.00000	-.01690	-.00630
1.201	-6.430	.01190	.10900	.12090	-.00140	-.00920	-.00200
1.201	-4.280	.00660	.09870	.10540	-.00210	-.00160	.00130
1.201	-2.110	.00000	.09060	.09050	-.00310	.00360	.00570
1.201	.060	-.00680	.08590	.07900	-.00620	.01200	.01000
1.201	2.310	-.01420	.08320	.06900	-.00650	.01770	.01490
1.201	4.450	-.02100	.07780	.05600	-.00930	.02260	.01960
1.201	6.720	-.02890	.06710	.03810	-.01370	.02740	.02350
1.201	8.880	-.03580	.05390	.01800	-.01690	.03100	.02640
GRADIENT		-.00317	-.00225	-.00542	-.00081	.00276	.00209

RUN NO. 176/ 2 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.750	.00580	.10720	.11300	-.01830	-.01180	-.00670
1.504	-6.530	-.00580	.09770	.09180	-.02310	-.00700	-.00480
1.504	-4.300	-.01680	.08240	.06560	-.02670	-.00100	-.00320
1.504	-2.070	-.02760	.06950	.04180	-.02370	.00540	-.00010
1.504	.210	-.03390	.05460	.02060	-.02170	.01160	.00380
1.504	2.450	-.03720	.04120	.00400	-.02490	.01710	.00760
1.504	4.690	-.03960	.03180	-.00770	-.02950	.02210	.01210
1.504	6.930	-.04340	.02140	-.02200	-.03500	.02630	.01610
1.504	9.150	-.04650	.01040	-.03610	-.03790	.02930	.01890
GRADIENT		-.00245	-.00576	-.00020	-.00030	.00257	.00170

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TABULATED SOURCE DATA - 1A70

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1A70 G1T12S1P2P8

(ZF7010) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = .000 ELV-RI = .000
 ELV-RQ = 4.000 BFLAP = .000

RUN NO. 41/ 3 RN/L = 5.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.896	-8.450	.02840	.09170	.12010	.03630	-.01510	-.00750
.896	-6.380	.02810	.08800	.11610	.03170	-.00940	-.00160
.896	-4.270	.02600	.08340	.10940	.02830	-.00340	.00400
.896	-2.120	.02230	.07740	.09970	.02810	.00240	.00910
.896	.040	.02210	.07260	.09470	.03050	.00860	.01490
.896	2.130	.02270	.07350	.09620	.02090	.01400	.02070
.896	4.230	.01660	.07950	.09620	.02720	.01690	.02680
.896	6.380	.01030	.08000	.09030	.02930	.02090	.03140
	GRADIENT	-.00087	-.00056	-.00141	-.00006	.00246	.00269

RUN NO. 40/ 2 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.092	-8.710	.01780	.18170	.19960	.00490	-.01020	-.00560
1.092	-6.590	.01580	.16750	.18340	.00240	-.01160	-.00040
1.092	-4.370	.01720	.15020	.16740	-.00010	-.00410	.00580
1.092	-2.180	.01940	.13980	.15920	.00230	.00370	.01140
1.092	-.010	.00750	.13990	.14740	.00060	.01060	.01560
1.092	2.130	-.00120	.13460	.13340	.00050	.01630	.02020
1.092	4.350	-.00950	.12830	.11870	-.00090	.02140	.02440
1.092	6.520	-.01920	.11450	.09530	-.00610	.02610	.02720
1.092	8.700	-.02400	.10320	.07920	-.00890	.03020	.02940
	GRADIENT	-.00340	-.00225	-.00566	-.00016	.00292	.00211

RUN NO. 39/ 2 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.203	-8.740	.01800	.17630	.19430	-.00180	-.01800	-.00360
1.203	-6.550	.01490	.16220	.17710	-.00690	-.01050	.00030
1.203	-4.340	.00950	.14860	.15810	-.00740	-.00270	.00340
1.203	-2.190	.00230	.13850	.14110	-.00430	.00450	.00760
1.203	.080	-.00500	.13310	.12810	-.00490	.01110	.01220
1.203	2.220	-.01170	.13090	.11910	-.00370	.01660	.01690
1.203	4.470	-.01930	.12530	.10600	-.00700	.02170	.02170
1.203	6.580	-.02630	.11350	.08710	-.01140	.02620	.02540
1.203	8.810	-.03320	.09900	.06580	-.01430	.03010	.02850
	GRADIENT	-.00326	-.00246	-.00573	-.00003	.00276	.00208

1A70 0171281P2P8

(ZF7011) (15 AUG 74)

REFERENCE DATA

SREP = 2890.0000 SQ.FT. XMRP = .0000 IN. XT
 LREP = 474.8000 IN. YMRP = .0000 IN. YT
 BREP = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = 8.000 BFLAP = .000

RUN NO. 42/ 2 RN/L = 0.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.897	-8.420	.01370	.08200	.09580	.03370	-.01190	-.01000
.897	-8.250	.01460	.07840	.09310	.02970	-.00640	-.00380
.897	-4.140	.01850	.07630	.09480	.02510	-.00050	.00240
.897	-2.010	.01830	.07200	.09030	.02780	.00480	.00770
.897	.140	.01520	.06690	.08210	.03050	.01060	.01360
.897	2.250	.00890	.06650	.07540	.02730	.01610	.01970
.897	4.370	-.00100	.07250	.07150	.02790	.01970	.02560
.897	6.500	-.00910	.07420	.06510	.02820	.02380	.03020
.897	8.650	-.01880	.07260	.05370	.02310	.02660	.03400
GRADIENT		-.00227	-.00062	-.00209	.00024	.00243	.00274

RUN NO. 43/ 2 RN/L = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.092	-8.760	-.00120	.17790	.17660	.00580	-.01600	-.00730
1.092	-6.570	-.00320	.16370	.16040	.00120	-.00930	-.00180
1.092	-4.310	-.00330	.14710	.14380	-.00010	-.00170	.00410
1.092	-2.110	-.00140	.13600	.13460	.00180	.00620	.00980
1.092	.070	-.01070	.13590	.12510	.00060	.01300	.01440
1.092	2.250	-.01970	.12960	.10980	.00020	.01870	.01920
1.092	4.430	-.02970	.12230	.09260	-.00190	.02350	.02280
1.092	6.640	-.03980	.10930	.06940	-.00630	.02820	.02590
1.092	8.820	-.04290	.09610	.05320	-.01090	.03210	.02820
GRADIENT		-.00325	-.00256	-.00582	-.00024	.00288	.00214

RUN NO. 44/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.201	-8.670	-.00060	.17310	.17250	-.00170	-.01580	-.00510
1.201	-6.530	-.00260	.15970	.15710	-.00690	-.00830	-.00080
1.201	-4.320	-.00710	.14640	.13930	-.00760	-.00060	.00240
1.201	-2.070	-.01320	.13650	.12330	-.00370	.00660	.00640
1.201	.090	-.02180	.13040	.10860	-.00560	.01290	.01080
1.201	2.290	-.03000	.12760	.09780	-.00470	.01830	.01580
1.201	4.490	-.03830	.12190	.08350	-.00650	.02360	.02060
1.201	6.670	-.04600	.10830	.06230	-.01080	.02030	.02440
1.201	8.870	-.05150	.09250	.04090	-.01550	.03200	.02740
GRADIENT		-.00360	-.00264	-.00625	.00006	.00274	.00208

1A70 Q1T12S1P2P8

(ZF7012) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-L1 = 4.000 ELV-R1 = 4.000
 ELV-RO = 8.000 BFLAP = .000

RUN NO. 47/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.900	-8.410	.00610	.04710	.05320	.02750	-.01000	-.01230
.900	-6.270	.00880	.04520	.05400	.02250	-.00430	-.00600
.900	-4.110	.01450	.04200	.05660	.01970	.00110	.00020
.900	-1.990	.01430	.03590	.05030	.02060	.00640	.00520
.900	.130	.01080	.03280	.04370	.02140	.01190	.01110
.900	2.260	.00500	.03180	.03690	.02270	.01750	.01730
.900	4.400	-.00320	.03970	.03440	.02010	.02140	.02360
.900	6.540	-.01510	.04280	.02760	.02170	.02530	.02030
.900	8.680	-.02630	.04350	.01710	.01740	.02830	.03210
	GRADIENT	-.00229	-.00041	-.00272	.00014	.00243	.00278

RUN NO. 46/ 2 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.092	-8.680	-.00320	.11570	.11240	.00970	-.01460	-.00970
1.092	-6.490	-.00510	.10570	.10350	.00580	-.00790	-.00420
1.092	-4.280	-.00480	.09420	.08940	.00190	-.00040	.00210
1.092	-2.090	-.00210	.08680	.08470	.00120	.00730	.00790
1.092	.090	-.01240	.08750	.07510	-.00060	.01410	.01240
1.092	2.300	-.02160	.08360	.06190	-.00300	.01980	.01690
1.092	4.480	-.03150	.07790	.04630	-.00550	.02460	.02100
1.092	6.650	-.04130	.06530	.02390	-.01060	.02920	.02390
1.092	8.840	-.04450	.05410	.00960	-.01440	.03310	.02610
	GRADIENT	-.00333	-.00163	-.00498	-.00087	.00285	.00214

RUN NO. 45/ 2 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.201	-8.650	-.00200	.11680	.11480	-.00070	-.01480	-.00750
1.201	-6.490	-.00470	.10680	.10210	-.00200	-.00730	-.00320
1.201	-4.300	-.00920	.09610	.08680	-.00210	.00030	.00030
1.201	-2.100	-.01540	.08820	.07270	-.00300	.00740	.00440
1.201	.130	-.02430	.08210	.05770	-.00610	.01380	.00900
1.201	2.300	-.03180	.07870	.04680	-.00720	.01930	.01380
1.201	4.510	-.03990	.07320	.03320	-.00940	.02440	.01880
1.201	6.690	-.04790	.06220	.01430	-.01440	.02910	.02270
1.201	8.890	-.05400	.04860	-.00530	-.01890	.03290	.02560
	GRADIENT	-.00353	-.00251	-.00605	-.00085	.00273	.00211

1A70 0171251P2P8

(2F7013) (15 AUG 74)

REFERENCE DATA

BREF = 2090.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LQ = 8.000
 ELV-L1 = 8.000 ELV-RI = 9.000
 ELV-RQ = 8.000 BFLAP = .000

RUN NO. 40/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEQ	CHEI	CHET	CHBF	CBW	CTW
.899	-8.340	.00170	.00950	.01130	.01990	-.00850	-.01480
.899	-6.170	.00630	.01650	.02280	.01590	-.00280	-.00800
.899	-4.030	.01380	.01920	.03300	.01320	.00250	-.00180
.899	-1.890	.01240	.02020	.03260	.01400	.00760	.00430
.899	.250	.00680	.02070	.02750	.01630	.01310	.01070
.899	2.390	-.00160	.02110	.01940	.01490	.01860	.01700
.899	4.520	-.01420	.02260	.00840	.01520	.02370	.02220
.899	6.650	-.02520	.01080	-.00630	.01400	.02800	.02650
.899	8.000	-.03560	.01010	-.02340	.00990	.03110	.03010
GRADIENT		-.00327	.00036	-.00292	.00023	.00250	.00284

RUN NO. 49/ 2 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEQ	CHEI	CHET	CHBF	CBW	CTW
1.090	-8.650	-.00580	.05180	.04590	.00990	-.01350	-.01270
1.090	-6.420	-.00850	.04470	.03610	.00290	-.00650	-.00690
1.090	-4.230	-.00810	.03650	.02830	-.00230	.00060	-.00040
1.090	-2.030	-.00450	.03180	.02720	-.00320	.00840	.00530
1.090	.150	-.01440	.03260	.01820	-.00830	.01520	.01040
1.090	2.360	-.02410	.03150	.00740	-.00910	.02090	.01480
1.090	4.550	-.03440	.02540	-.00890	-.01230	.02570	.01860
1.090	6.720	-.04380	.01580	-.02790	-.01730	.03040	.02150
1.090	8.920	-.04740	.00580	-.04150	-.01960	.03430	.02370
GRADIENT		-.00329	-.00103	-.00429	-.00109	.00296	.00216

RUN NO. 50/ 2 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEQ	CHEI	CHET	CHBF	CBW	CTW
1.201	-8.830	-.00460	.05700	.05230	.00240	-.01360	-.01020
1.201	-6.390	-.00740	.04960	.04220	-.00170	-.00610	-.00560
1.201	-4.270	-.01190	.04130	.02930	-.00530	.00160	-.00190
1.201	-2.000	-.01860	.03450	.01590	-.00820	.00860	.00220
1.201	.210	-.02720	.02960	.00230	-.01070	.01520	.00700
1.201	2.400	-.03470	.02680	-.00780	-.01310	.02070	.01170
1.201	4.580	-.04260	.02190	-.02070	-.01480	.02580	.01660
1.201	6.780	-.05030	.01250	-.03800	-.01940	.03030	.02050
1.201	8.980	-.05790	.00070	-.05710	-.02390	.03410	.02350
GRADIENT		-.00333	-.00212	-.00363	-.00109	.00273	.00212

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TABULATED SOURCE DATA - 1A70

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1A70 01T12S1P2P8

(ZF7013) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 BFLAP = .000

RUN NO. 177/ 2 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

HACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.710	-.00790	.03970	.05170	-.01950	-.00990	-.01010
1.504	-8.450	-.02280	.03060	.02800	-.02310	-.00500	-.00810
1.504	-4.210	-.03700	.03670	-.00020	-.02610	.00100	-.00650
1.504	-1.970	-.04870	.02460	-.02410	-.02630	.00750	-.00330
1.504	.250	-.05460	.01080	-.04400	-.02590	.01360	.00060
1.504	2.470	-.05760	-.00200	-.05960	-.02890	.01910	.00430
1.504	4.700	-.05810	-.00800	-.06620	-.03350	.02410	.00930
1.504	6.920	-.06180	-.01960	-.08140	-.03200	.02790	.01340
1.504	9.130	-.06400	-.02600	-.09010	-.04500	.03080	.01630
	GRADIENT	-.00230	-.00521	-.00753	-.00078	.00260	.00176

1A70 01T12S1P2P8

(ZF7014) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 8.000 BFLAP = .000

RUN NO. 53/ 2 RN/L = 6.00 GRADIENT INTERVAL = -5.00/ 5.00

HACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.899	-8.270	-.00280	-.00400	-.00600	.01390	-.00730	-.01640
.899	-6.130	.00130	.00300	.00440	.01250	-.00180	-.00950
.899	-4.010	.00760	.00420	.01190	.01050	.00360	-.00260
.899	-1.860	.00600	.00000	.00690	.01340	.00860	.00290
.899	.280	-.00020	-.00270	-.00290	.01530	.01430	.00910
.899	2.380	-.00810	-.00720	-.01530	.00690	.02020	.01510
.899	4.540	-.01960	-.00360	-.02520	.01070	.02570	.02040
.899	6.670	-.02900	-.01190	-.04180	.01030	.02970	.02450
.899	8.810	-.04110	-.02080	-.06200	.00140	.03330	.02800
	GRADIENT	-.00321	-.00129	-.00452	-.00028	.00261	.00273

1A70 01T12S1P2P8

(ZF7014) (15 AUG 74)

REFERENCE DATA

SREF = 2600,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,0000 IN. YMRP = .0000 IN. YT
 SREF = 936,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0120

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-L1 = 12.000 ELV-R1 = 12.000
 ELV-RO = 8.000 OFLAP = .000

RUN NO. 52/ 2 RIV/L = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CDW	CTW
1.091	-8.570	-.00840	-.00390	-.01230	.00440	-.01220	-.01310
1.091	-8.360	-.01080	-.00910	-.02000	-.00200	-.00350	-.00930
1.091	-4.190	-.01030	-.01470	-.02510	-.00700	.00160	-.00290
1.091	-2.010	-.00740	-.01670	-.02610	-.00890	.00940	.00290
1.091	.200	-.01760	-.01640	-.03410	-.01100	.01630	.00770
1.091	2.370	-.02710	-.01760	-.04470	-.01400	.02210	.01240
1.091	4.570	-.03700	-.02320	-.06020	-.01600	.02700	.01650
1.091	6.750	-.04650	-.03220	-.07870	-.01990	.03170	.01950
1.091	8.940	-.05050	-.04440	-.09500	-.02390	.03570	.02180
	GRADIENT	-.00334	-.00073	-.00406	-.00105	.00406	.00221

RUN NO. 51/ 2 RIV/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CDW	CTW
1.201	-8.500	-.00800	.00370	-.00430	-.00110	-.01230	-.01230
1.201	-6.370	-.01030	-.00090	-.01130	-.00340	-.00300	-.00770
1.201	-4.180	-.01500	-.00710	-.02210	-.00860	.00250	-.00430
1.201	-1.940	-.02150	-.01300	-.03460	-.01180	.00990	.00010
1.201	.250	-.03050	-.01670	-.04730	-.01400	.01630	.00480
1.201	2.480	-.03840	-.01940	-.05780	-.01630	.02190	.00980
1.201	4.630	-.04570	-.02340	-.06910	-.01850	.02670	.01440
1.201	6.820	-.05280	-.03200	-.08480	-.02250	.03130	.01850
1.201	9.030	-.05930	-.04410	-.10360	-.02630	.03510	.02150
	GRADIENT	-.00355	-.00177	-.00532	-.00108	.00274	.00214

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TABULATED SOURCE DATA - 1A70

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1A70 01T12S1P2P8

(ZF7015) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 54/ 3 RW/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.630	.03570	.01670	.05250	-.01940	-.01210	-.00890
1.504	-6.460	.01950	.00920	.02860	-.02100	-.00750	-.00750
1.504	-4.280	.00610	-.00330	.00270	-.02130	-.00190	-.00360
1.504	-2.060	-.00300	-.01510	-.01820	-.02300	.00450	-.00220
1.504	.170	-.00920	-.02740	-.03670	-.02490	.01100	.00200
1.504	2.400	-.01440	-.03910	-.05360	-.02810	.01660	.00590
1.504	4.620	-.01060	-.04630	-.06690	-.02680	.02150	.01070
1.504	6.840	-.02420	-.05730	-.08150	-.03060	.02560	.01400
1.504	9.050	-.02860	-.06380	-.09250	-.03530	.02870	.01800
	GRADIENT	-.00273	-.00512	-.00784	-.00072	.00265	.00185

1A70 01T12S1P2P8

(ZF7016) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
 ELV-LI = 6.000 ELV-RI = 6.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 55/ 3 RW/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.730	.03720	.06300	.10030	-.02420	-.01240	-.00670
1.504	-6.560	.02130	.05330	.07470	-.02490	-.00780	-.00480
1.504	-4.360	.00660	.03910	.04580	-.02290	-.00220	-.00350
1.504	-2.160	-.00260	.02760	.02490	-.02260	.00420	.00000
1.504	.050	-.00980	.01480	.00590	-.02340	.01050	.00410
1.504	2.270	-.01370	.00210	-.01160	-.02730	.01600	.00600
1.504	4.490	-.01790	-.00820	-.02610	-.02340	.02100	.01260
1.504	6.690	-.02310	-.01800	-.04120	-.02680	.02520	.01670
1.504	8.910	-.02760	-.02430	-.05200	-.04170	.02830	.01900
	GRADIENT	-.00271	-.00543	-.00915	-.00025	.00263	.00182

1A70 01T12S1P2PB

(ZF7017) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 56/ 2 RN/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.760	.03930	.11050	.15010	-.02360	-.01390	-.00540
1.504	-8.640	.02400	.10020	.12430	-.02450	-.00940	-.00360
1.504	-4.490	.00840	.08450	.09300	-.02320	-.00380	-.00220
1.504	-2.180	-.00200	.07040	.06830	-.02030	.00290	.00110
1.504	.060	-.00780	.05720	.04940	-.01980	.00930	.00520
1.504	2.280	-.01250	.04330	.03080	-.02160	.01480	.00940
1.504	4.480	-.01640	.03120	.01480	-.01840	.01990	.01390
1.504	6.680	-.02140	.01880	-.00230	-.02130	.02390	.01790
1.504	8.900	-.02560	.01110	-.01450	-.03720	.02710	.02080
	GRADIENT	-.00269	-.00497	-.00866	.00037	.00264	.00181

1A70 01T12S1P2PB

(ZF7018) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 57/ 2 RN/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-6.640	.02340	.14290	.16830	-.02300	-.01010	-.00170
1.504	-4.480	.01040	.12570	.13620	-.02390	-.00440	-.00030
1.504	-2.260	-.00040	.11130	.11090	-.02460	.00210	.00270
1.504	-.030	-.00610	.09550	.08940	-.01910	.00030	.00670
1.504	2.180	-.01000	.08200	.07190	-.02060	.01400	.01070
1.504	4.390	-.01370	.06920	.05540	-.01850	.01900	.01540
1.504	6.600	-.01880	.05460	.03580	-.01910	.02330	.01940
1.504	8.810	-.02310	.04590	.02270	-.03570	.02630	.02230
	GRADIENT	-.00261	-.00642	-.00905	.00067	.00261	.00178

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TABULATED SOURCE DATA - 1A7D

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1A7D Q1T12S1P2P8

(2F7019) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.6000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
 ELV-LI = 0.000 ELV-RI = 8.000
 ELV-RO = -8.000 BFLAP = .000

RUN NO. 64/ 2 RN/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.860	.03660	.06470	.12140	-.02420	-.01470	-.00650
1.504	-8.660	.03940	.05530	.09460	-.02490	-.01000	-.00470
1.504	-4.470	.02390	.04150	.06550	-.02360	-.00420	-.00320
1.504	-2.210	.01300	.02860	.04170	-.02350	.00240	.00040
1.504	-.030	.00510	.01650	.02170	-.02390	.00960	.00430
1.504	2.170	.00000	.00390	.00400	-.02850	.01430	.00840
1.504	4.440	-.00430	-.00600	-.01030	-.02560	.01950	.01290
1.504	6.610	-.00970	-.01670	-.02650	-.02630	.02370	.01700
1.504	8.820	-.01510	-.02400	-.03920	-.03720	.02690	.02000
	GRADIENT	-.00312	-.00539	-.00852	-.00022	.00267	.00161

1A7D Q1T12S1P2P8

(2F7020) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.6000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = -8.000 BFLAP = .000

RUN NO. 65/ 2 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.740	.05390	.01690	.07080	-.01960	-.01360	-.00860
1.504	-6.560	.03730	.00850	.04580	-.02130	-.00880	-.00650
1.504	-4.300	.02250	-.00500	.01750	-.02080	-.00280	-.00450
1.504	-2.130	.01220	-.01650	-.00420	-.02350	.00330	-.00110
1.504	.120	.00400	-.02890	-.02480	-.02510	.00980	.00290
1.504	2.300	-.00030	-.04140	-.04180	-.02750	.01540	.00710
1.504	4.540	-.00490	-.05020	-.05520	-.02730	.02040	.01160
1.504	6.760	-.01100	-.05920	-.07030	-.02950	.02450	.01570
1.504	8.930	-.01620	-.06390	-.08010	-.04030	.02770	.01870
	GRADIENT	-.00304	-.00521	-.00827	-.00077	.00285	.00163

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TABULATED SOURCE DATA - 1A70

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1A70 01T12S1P2P8

(ZF7021) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
 ELV-LI = 6.000 ELV-RI = 6.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 66/ 2 RIV/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-6.780	.03680	.06340	.10020	-.02320	-.01310	-.00740
1.504	-6.970	.02050	.05390	.07450	-.02370	-.00850	-.00570
1.504	-4.370	.00610	.03990	.04610	-.02380	-.00270	-.00370
1.504	-2.130	-.00290	.02830	.02430	-.02330	.00370	-.00040
1.504	.080	-.00950	.01560	.00600	-.02440	.00990	.00360
1.504	2.310	-.01450	.00300	-.01150	-.02800	.01560	.00770
1.504	4.520	-.01860	-.00620	-.02490	-.02690	.02070	.01250
1.504	6.730	-.02390	-.01750	-.04150	-.02780	.02480	.01650
1.504	8.960	-.02830	-.02390	-.05220	-.04090	.02790	.01960
	GRADIENT	-.00275	-.00829	-.00805	-.00048	.00264	.00102

1A70 01T12S1P2P8

(ZF7022) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = -4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 67/ 3 RIV/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.840	.03460	.07220	.12680	.00210	-.01010	-.00900
1.504	-8.650	.04500	.06360	.10860	-.00230	-.00580	-.00680
1.504	-4.350	.03170	.05580	.08760	-.00660	-.00050	-.00420
1.504	-2.170	.02310	.04790	.07110	-.01070	.00530	-.00190
1.504	.050	.01760	.03990	.05760	-.01450	.01270	.00130
1.504	2.320	.00860	.03370	.04230	-.01840	.01950	.00540
1.504	4.540	-.00020	.02500	.02470	-.02140	.02520	.00990
1.504	6.760	-.00730	.01440	.00700	-.02690	.02950	.01420
1.504	9.020	-.01400	.00510	-.00890	-.03000	.03210	.01700
	GRADIENT	-.00352	-.00340	-.00694	-.00167	.00295	.00160

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TABULATED SOURCE DATA - 1A70

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1A70 01T12S1P2P8

(ZF7023) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -4.000 ELV-LO = -4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 60/ 3 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.760	.02630	.05320	.07950	-.01760	-.01540	-.00470
1.504	-6.550	.01480	.04080	.05570	-.01960	-.01030	-.00360
1.504	-4.390	.00320	.02760	.03110	-.02000	-.00510	-.00130
1.504	-2.140	-.00660	.01270	.00560	-.02150	.00060	.00150
1.504	.080	-.01400	.00020	-.01370	-.02210	.00600	.00460
1.504	2.300	-.01710	-.01110	-.02630	-.02660	.01120	.00800
1.504	4.560	-.02220	-.02290	-.04510	-.03020	.01610	.01140
1.504	6.750	-.02710	-.03200	-.05910	-.03310	.02010	.01450
1.504	8.950	-.02910	-.04180	-.07090	-.03950	.02360	.01710
	GRADIENT	-.00274	-.00360	-.00835	-.00107	.00237	.00143

1A70 01T12S1P2P8

(ZF7024) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = -4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = -4.000 BFLAP = .000

RUN NO. 69/ 2 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.504	-8.780	.02010	.05580	.07600	-.00280	-.01600	-.00450
1.504	-6.580	.01120	.04330	.05450	-.00930	-.01140	-.00300
1.504	-4.350	.00140	.02990	.03130	-.02070	-.00670	-.00047
1.504	-2.160	-.00860	.01470	.00610	-.02360	-.00240	.00197
1.504	.030	-.01450	.00050	-.01400	-.02620	.00220	.00470
1.504	2.340	-.01840	-.01290	-.03130	-.03290	.00730	.00780
1.504	4.570	-.02340	-.02640	-.04990	-.04290	.01180	.01040
1.504	6.770	-.02790	-.03900	-.06700	-.05030	.01560	.01280
1.504	9.040	-.03060	-.05070	-.08130	-.04710	.01910	.01420
	GRADIENT	-.00265	-.00627	-.00893	-.00241	.00299	.00123

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TABULATED SOURCE DATA - 1A70

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1A70 Q1T12S1P2P8

(ZF7025) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 71/ 2 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.187	-8.740	.03910	-.00140	.03760	-.00760	-.00920	-.01080
1.187	-8.490	.03220	-.00610	.02600	-.00970	-.00990	-.00760
1.187	-4.290	.03080	-.01270	.01800	-.01190	.00730	-.00280
1.187	-2.060	.03300	-.01810	.01480	-.01340	.01490	.00290
1.187	.170	.03100	-.02680	.00420	-.01510	.02210	.00980
1.187	2.370	.02390	-.03270	-.00880	-.01940	.02800	.01560
1.187	4.590	.01340	-.03410	-.02060	-.02640	.03370	.02110
1.187	6.800	.00450	-.03610	-.03160	-.03000	.03820	.02540
1.187	9.040	-.00120	-.04310	-.04440	-.03040	.04180	.02730
GRADIENT		-.00198	-.00259	-.00454	-.00158	.00297	.00273

1A70 Q1T12S1P2P8

(ZF7026) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 164/ 2 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.190	-8.700	.03200	.00630	.03940	-.00930	-.01260	-.01000
1.190	-8.470	.02540	-.00050	.02480	-.00670	-.00410	-.00630
1.190	-4.260	.02560	-.00670	.01680	-.00820	.00390	-.00210
1.190	-2.040	.02600	-.01120	.01470	-.00970	.01150	.00270
1.190	.170	.01920	-.01630	.00260	-.01180	.01850	.00860
1.190	2.380	.00900	-.01970	-.01070	-.01410	.02450	.01420
1.190	4.600	-.00090	-.02310	-.02410	-.01550	.02970	.01940
1.190	6.820	-.00980	-.03060	-.04040	-.02250	.03450	.02390
1.190	9.010	-.01900	-.03890	-.05790	-.02830	.03900	.02710
GRADIENT		-.00316	-.00187	-.00302	-.00086	.00292	.00246

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TABULATED SOURCE DATA - 1A70

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1A70 01T12S1P2P8

(ZF7027) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.5000 IN. YMRP = .0000 IN. YT
 DREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 163/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.194	-8.740	.02630	.01470	.04100	-.00690	-.01770	-.01050
1.194	-8.490	.01340	.00560	.01920	-.00990	-.01170	-.00650
1.194	-4.270	.00150	.00020	.00170	-.01230	-.00510	-.00280
1.194	-2.050	-.00500	-.00420	-.00920	-.01500	.00160	.00120
1.194	.170	-.01390	-.00990	-.02390	-.01550	.00770	.00500
1.194	2.370	-.02200	-.01510	-.03800	-.01800	.01330	.00880
1.194	4.573	-.03050	-.02120	-.05180	-.02120	.01850	.01210
1.194	6.770	-.03770	-.02010	-.06590	-.02500	.02340	.01510
1.194	8.990	-.04270	-.03580	-.07850	-.02590	.02800	.01830
	GRADIENT	-.00370	-.00243	-.00614	-.00094	.00267	.00169

1A70 01T12S1P2P8

(ZF7028) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 DREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 70/ 2 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.191	-8.710	.01950	.02140	.04090	-.01250	-.01820	-.01060
1.191	-6.510	.00370	.00970	.01350	-.01510	-.01320	-.00800
1.191	-4.300	-.00540	.00200	-.00340	-.01730	-.00750	-.00420
1.191	-2.080	-.01180	-.00660	-.01850	-.01950	-.00190	-.00050
1.191	.150	-.02010	-.01400	-.03410	-.02020	.00310	.00330
1.191	2.350	-.02870	-.02220	-.05100	-.02290	.00830	.00690
1.191	4.570	-.03670	-.03170	-.06640	-.02590	.01350	.01030
1.191	6.780	-.04100	-.03570	-.07670	-.02910	.01830	.01300
1.191	8.990	-.04340	-.05190	-.09530	-.02670	.02230	.01400
	GRADIENT	-.00359	-.00374	-.00733	-.00093	.00235	.00164

1A70 Q1712S1P2P8

(ZF7029) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = .000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = .000 BFLAP = .000

RUN NO. 162/ 2 RNL = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.188	-8.730	.01480	.02190	.03670	-.01300	-.01820	-.01060
1.188	-8.530	.00020	.00960	.00980	-.01410	-.01330	-.00780
1.188	-4.310	-.00960	.00180	-.00780	-.01650	-.00760	-.00420
1.188	-2.090	-.01570	-.00580	-.02160	-.01870	-.00200	-.00050
1.188	.120	-.02400	-.01330	-.03750	-.02010	.00300	.00310
1.188	2.350	-.03230	-.02160	-.05390	-.02360	.00030	.00720
1.188	4.560	-.04040	-.03090	-.07130	-.02740	.01350	.01040
1.188	6.780	-.04490	-.03550	-.08040	-.03000	.01040	.01300
1.188	8.980	-.04700	-.05190	-.09890	-.02760	.02230	.01430
	GRADIENT	-.00353	-.00366	-.00718	-.00120	.00237	.00166

1A70 Q1712S1P2P8

(ZF7030) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = 4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 75/ 2 RNL = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.894	-8.400	-.00290	-.01820	-.02110	.01580	-.00710	-.01000
.894	-6.240	.00500	-.01420	-.00910	.01200	-.00110	-.00220
.894	-4.100	.01290	-.01580	-.00290	.00970	.00520	.00570
.894	-1.940	.01550	-.01980	-.00420	.00910	.01170	.01340
.894	.210	.01610	-.02090	-.00480	.00750	.01760	.02090
.894	2.360	.01570	-.01970	-.00390	.00390	.02210	.02690
.894	4.320	.01270	-.01770	-.00490	.00900	.02680	.03150
.894	6.670	.00330	-.01810	-.01480	.01090	.03150	.03540
.894	8.840	-.00870	-.01850	-.02530	.01220	.03570	.03790
	GRADIENT	-.00001	-.00017	-.00017	-.00021	.00249	.00302

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TABULATED SOURCE DATA - 1A70

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1A70 Q1T12S1P2PB

(ZF7030) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = 4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 72/ 2 RN/L = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.079	-8.710	.01350	-.02160	-.00830	-.00130	-.00860	-.00930
1.079	-8.490	.01060	-.02550	-.01480	-.00570	.00080	-.00370
1.079	-4.280	.01040	-.03000	-.01960	-.00940	.01030	.00170
1.079	-2.080	.01190	-.03330	-.02130	-.01140	.01820	.00800
1.079	.130	.01310	-.03640	-.02320	-.01280	.02480	.01420
1.079	2.330	.01260	-.04240	-.02970	-.01370	.03050	.01970
1.079	4.490	.00710	-.04470	-.03760	-.01560	.03570	.02480
1.079	6.760	-.00200	-.04760	-.04960	-.01890	.04070	.02930
1.079	8.990	-.00900	-.04940	-.05840	-.01830	.04540	.03220
	GRADIENT	-.00027	-.00175	-.00202	-.00076	.00298	.00264

1A70 Q1T12S1P2PB

(ZF7031) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = 4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 74/ 2 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
.896	-8.400	.00910	.00980	.01900	.01310	-.00850	-.01660
.896	-6.230	.01040	.01440	.02480	.00730	-.00390	-.01220
.896	-4.080	.01270	.01800	.03160	.00510	.00070	-.00740
.896	-1.920	.01210	.02380	.03600	.00160	.00470	-.00230
.896	.250	.01200	.02930	.04130	.00380	.00850	.00300
.896	2.400	.00220	.02650	.02880	.00480	.01230	.00860
.896	4.560	-.00710	.01630	.00920	.00320	.01620	.01370
.896	6.700	-.01790	.00310	-.01480	.00410	.02020	.01890
.896	8.880	-.02720	-.01200	-.03930	.00550	.02400	.02360
	GRADIENT	-.00229	-.00011	-.00240	-.00083	.00179	.00246

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TABULATED SOURCE DATA - 1A70

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1A70 Q1T12S1P2P8

(ZF7031) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = 4.000
 ELV-LI = 12.000 ELV-RI = 12.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 73/ 2 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.081	-8.720	.00870	.02680	.03550	-.00430	-.01710	-.01570
1.081	-6.490	.00610	.01850	.02470	-.00890	-.01190	-.01180
1.081	-4.270	-.00470	.01100	.00630	-.01230	-.00630	-.00680
1.081	-2.060	-.01630	.00530	-.01090	-.01580	-.00900	-.00180
1.081	.160	-.02590	.00000	-.02590	-.01650	.00360	.00280
1.081	2.360	-.03340	-.00440	-.03780	-.01710	.00830	.00730
1.081	4.570	-.03970	-.00950	-.04930	-.01730	.01290	.01000
1.081	6.780	-.04500	-.01880	-.06390	-.02080	.01810	.01240
1.081	8.970	-.05020	-.04760	-.09780	-.01900	.02310	.01420
	GRADIENT	-.00394	-.00229	-.00625	-.00051	.00214	.00193

1A70 Q1T12S1P2P8

(ZF7032) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 170/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.191	-8.820	.01900	.09150	.11060	-.00190	-.01080	-.00550
1.191	-6.570	.01410	.08290	.09710	-.00680	-.00230	-.00250
1.191	-4.360	.01230	.07660	.08910	-.00520	.00390	.00170
1.191	-2.150	.01500	.07190	.08700	-.00400	.01350	.00700
1.191	.070	.01280	.06280	.07570	-.00390	.02040	.01360
1.191	2.300	.00760	.05410	.06180	-.00750	.02650	.01950
1.191	4.510	.00050	.04630	.04690	-.01440	.03220	.02480
1.191	6.720	-.00410	.04360	.03940	-.02070	.03690	.02980
1.191	8.930	-.01050	.03320	.02270	-.02090	.04050	.03050
	GRADIENT	-.00142	-.00353	-.00494	-.00099	.00298	.00265

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1A70 01T12S1P2P8

(2F7033) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RT = 4.000
 ELV-RO = 4.000 BFLAP = .000

RUN NO. 171/ 2 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.192	-8.770	.00390	.15560	.15930	-.00770	-.01920	-.00790
1.192	-6.540	-.00500	.13120	.12620	-.00570	-.01420	-.00510
1.192	-4.290	-.01260	.11810	.10530	-.00860	-.00860	-.00140
1.192	-2.080	-.01790	.10580	.08790	-.00950	-.00310	.00220
1.192	.150	-.02480	.09520	.07040	-.01170	.00200	.00590
1.192	2.330	-.03170	.08400	.05220	-.01620	.00720	.00990
1.192	4.560	-.03870	.07200	.03320	-.02090	.01240	.01310
1.192	6.760	-.04260	.06370	.02100	-.02460	.01710	.01600
1.192	8.970	-.04710	.04400	-.00310	-.02270	.02090	.01730
	GRADIENT	-.00298	-.00516	-.00815	-.00142	.00237	.00166

1A70 01T12S1P2P8

(2F7034) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RT = 8.000
 ELV-RO = 8.000 BFLAP = .000

RUN NO. 173/ 2 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.192	-8.660	-.00080	.04160	.04080	-.00340	-.00690	-.01010
1.192	-6.430	-.00450	.03460	.03000	-.01000	.00120	-.00650
1.192	-4.220	-.00550	.02800	.02240	-.01200	.00920	-.00190
1.192	-1.990	-.00320	.02300	.01970	-.01130	.01670	.00360
1.192	.220	-.00540	.01460	.00910	-.01300	.02360	.01010
1.192	2.440	-.01010	.00720	-.00280	-.01680	.02960	.01570
1.192	4.650	-.01680	.00150	-.01520	-.02250	.03510	.02120
1.192	6.860	-.02580	-.00220	-.02800	-.02760	.03950	.02530
1.192	9.060	-.03360	-.01160	-.04520	-.02780	.04320	.02700
	GRADIENT	-.00133	-.00310	-.00441	-.00119	.00292	.00263

1A70 Q1T12S1P2PB

(ZF7035) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 SREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -0.000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 BFLAP = .000

RUN NO. 172/ 2 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.193	-8.680	-.01380	.08150	.06780	-.01540	-.01820	-.01130
1.193	-8.520	-.02570	.08190	.03610	-.01180	-.01130	-.00950
1.193	-4.300	-.03390	.05270	.01670	-.01580	-.00390	-.00470
1.193	-2.080	-.04220	.04340	.00120	-.01700	-.00040	-.00120
1.193	.130	-.04940	.03520	-.01410	-.02000	.00480	.00250
1.193	2.340	-.05560	.02700	-.02860	-.02340	.01010	.00650
1.193	4.560	-.06220	.01710	-.04500	-.02710	.01530	.00980
1.193	6.770	-.06700	.00670	-.06020	-.03080	.01990	.01260
1.193	8.990	-.07020	-.01070	-.08100	-.02690	.02390	.01410
	GRADIENT	-.00298	-.00396	-.00692	-.00127	.00238	.00166

1A70 Q1T12S1P2PB

(ZF7036) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 SREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 166/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.190	-8.830	.04660	.13520	.18160	-.00220	-.01370	-.00090
1.190	-6.680	.03950	.12520	.16470	-.00150	-.00300	.00120
1.190	-4.410	.03800	.11800	.15600	-.00110	.00350	.00530
1.190	-2.200	.04080	.11430	.15320	.00000	.01120	.01040
1.190	.030	.03820	.10360	.14190	-.00100	.01830	.01670
1.190	2.240	.03120	.09250	.12370	-.00450	.02440	.02240
1.190	4.470	.02080	.08400	.10490	-.01400	.03020	.02780
1.190	6.680	.01120	.08110	.09230	-.01980	.03500	.03160
1.190	8.890	.00230	.07140	.07380	-.01800	.03960	.03340
	GRADIENT	-.00198	-.00405	-.00602	-.00137	.00300	.00257

1A70 Q1T12S1P2P8

(ZF7037) (15 AUG 74)

REFERENCE DATA

SREF = 2690,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,8000 IN. YMRP = .0000 IN. YT
 BREF = 936,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 169/ 2 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.192	-8.890	.02930	.23230	.26160	-.01560	-.02110	-.00500
1.192	-8.620	.01140	.19660	.20810	-.00680	-.01610	-.00230
1.192	-4.430	.00000	.17460	.17450	-.00830	-.01060	.00100
1.192	-2.200	-.00340	.16060	.15710	-.00920	-.00520	.00470
1.192	.030	-.00980	.14830	.13840	-.01070	.00900	.00940
1.192	2.260	-.01740	.13390	.11040	-.01260	.00510	.01240
1.192	4.480	-.02430	.12230	.09820	-.01860	.01030	.01560
1.192	6.690	-.02960	.11170	.08200	-.02260	.01300	.01930
1.192	8.910	-.03500	.08930	.05320	-.02130	.01900	.02000
	GRADIENT	-.00281	-.00579	-.00859	-.00108	.00234	.00166

1A70 Q1T12S1P2P9

(ZF7038) (15 AUG 74)

REFERENCE DATA

SREF = 2690,0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474,8000 IN. YMRP = .0000 IN. YT
 BREF = 936,7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 167/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.199	-8.740	.03970	.19200	.23170	-.00120	-.02140	-.00430
1.199	-6.520	.03430	.17660	.21100	-.00430	-.01360	-.00050
1.199	-4.330	.02660	.16400	.19060	-.00780	-.00370	.00270
1.199	-2.110	.01770	.15450	.17220	-.01000	.00220	.00670
1.199	.070	.00690	.14680	.15380	-.01700	.00910	.01130
1.199	2.280	-.00120	.14010	.13890	-.01730	.01510	.01610
1.199	4.400	-.00910	.13520	.12610	-.01040	.02040	.02110
1.199	6.690	-.01770	.12370	.10600	-.01230	.02340	.02490
1.199	8.930	-.02590	.11160	.08570	-.01480	.02960	.02000
	GRADIENT	-.00411	-.00328	-.00739	-.00057	.00296	.00210

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TABULATED SOURCE DATA - 1A7D

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1A7D 0171201P2P10

(ZPTD39) (15 AUG 74)

REFERENCE DATA

SREF = 2090.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 169/ 2 RML = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHLO	CHEI	CHET	CHBF	CFW	CTW
1.199	-0.780	.04000	.17970	.21980	-.00010	-.02020	-.00300
1.199	-6.550	.03390	.16390	.20160	-.00320	-.01260	.00070
1.199	-4.360	.02820	.15390	.18210	-.00360	-.00490	.00400
1.199	-2.160	.01960	.14450	.16420	-.00290	.00230	.00700
1.199	.040	.00910	.13720	.14530	-.00500	.00930	.01190
1.199	2.240	-.00080	.13430	.13350	-.00540	.01320	.01890
1.199	4.450	-.00840	.12640	.11790	-.00610	.02050	.02150
1.199	6.620	-.01690	.11530	.09840	-.01010	.02540	.02490
1.199	8.840	-.02470	.10000	.07590	-.01240	.02950	.02790
GRADIENT		-.00425	-.00296	-.00723	-.00016	.00286	.00200

1A7D 0171251P2P11

(ZPTD40) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.0000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 174/ 2 RML = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHLO	CHEI	CHET	CHBF	CFW	CTW
1.202	-8.810	.04130	.17890	.22020	-.00040	-.02050	-.00360
1.202	-6.640	.03710	.16390	.20100	-.00640	-.01260	.00030
1.202	-4.470	.02900	.15260	.18240	-.00700	-.00500	.00380
1.202	-2.280	.02070	.14300	.16380	-.00490	.00230	.00760
1.202	-.090	.00890	.13610	.14510	-.00620	.00940	.01210
1.202	2.090	-.00030	.13310	.13280	-.00590	.01360	.01720
1.202	4.300	-.00790	.12630	.11840	-.00530	.02100	.02230
1.202	6.500	-.01650	.11400	.09750	-.00760	.02600	.02610
1.202	8.710	-.02420	.09730	.07300	-.00940	.03000	.02890
GRADIENT		-.00440	-.00205	-.00726	.00011	.00297	.00213

DATE 05 NOV 74

TABULATED SOURCE DATA - 1A70

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1A70 01T12S1P2P11

(2F7041) (15 AUG 74)

REFERENCE DATA

SREF = 3690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = .000

RUN NO. 175/ 2 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.083	-8.610	.05050	.10490	.15550	.01450	-.02470	-.03030
1.083	-8.530	.04540	.09200	.13740	.01020	-.01440	-.02570
1.083	-4.360	.04160	.07930	.12100	.00900	-.00390	-.02130
1.083	-2.140	.03980	.06800	.10780	.00600	.00430	-.02050
1.083	.070	.04100	.06210	.10320	.00400	.01360	-.00420
1.083	2.260	.04220	.05760	.09980	.00210	.01990	-.00440
1.083	4.450	.03770	.05300	.09080	.00300	.02500	.00430
1.083	6.660	.02740	.04680	.07420	.00110	.02950	.00560
1.083	8.840	.01750	.04650	.06400	-.00260	.03320	.01390
	GRADIENT	-.00024	-.00286	-.00311	-.00063	.00320	.00307

1A70 01T12S1P2P0

(2F7042) (15 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN. XT
 LREF = 474.8000 IN. YMRP = .0000 IN. YT
 BREF = 936.7000 IN. ZMRP = .0000 IN. ZT
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 BFLAP = 10.000

RUN NO. 168/ 2 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHET	CHBF	CBW	CTW
1.200	-8.780	.03950	.17800	.21760	-.00040	-.01960	-.00250
1.200	-6.580	.03610	.16400	.20010	-.00620	-.01210	.00120
1.200	-4.370	.02940	.13110	.18060	-.00020	-.00420	.00460
1.200	-2.160	.02010	.14000	.16020	-.00900	.00320	.00960
1.200	.020	.00840	.13310	.14150	-.01380	.00980	.01290
1.200	2.220	-.00080	.13030	.12950	-.01430	.01550	.01740
1.200	4.420	-.00860	.12390	.11530	-.01520	.02070	.02180
1.200	6.630	-.01730	.11280	.09540	-.02030	.02570	.02350
1.200	8.820	-.02500	.09800	.07290	-.02370	.02970	.02830
	GRADIENT	-.00441	-.00292	-.00735	-.00088	.00283	.00197